

KUMHO TIRE 
Better, All-Ways

PERFORMANCE | PASSENGER
TRUCK, SUV & CROSSOVER | ORIGINAL EQUIPMENT



PERFORMANCE

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ECSTA V720

6

V720
Extreme Performance Summer
UTQG 200 AA/A | V & W RATED



ECSTA PS91

8

PS91
Max Performance Summer
UTQG 260 AA/A | (Y) RATED



ECSTA LE SPORT

11

KU39
Maximum Performance Summer
UTQG 280 AA/A | Y RATED



ECSTA PS31

14

PS31
Ultra-High Performance Summer
UTQG 400 A/A | V & W RATED



SOLUS TA71

17

TA71
Grand Touring All-Season
UTQG 600 A/A, 500 AA/A
V & W RATED



ECSTA 4X II

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KU22
Ultra-High Performance All-Season
UTQG 420 AA/A | V & W RATED



ECSTA PA31

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PA31
High-Performance All-Season
UTQG 500 A/A | V RATED



PASSENGER

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SOLUS TA31

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TA31
High-Performance Touring All-Season
UTQG 480 A/A, 500 A/A
T, H & V RATED



SOLUS KH25

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KH25
Performance Touring All-Season
UTQG 480 A/A | T, H & V RATED



SOLUS TA11

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TA11
Touring All-Season
UTQG 600 A/B, 700 A/B
T RATED



SENSE

35

KR26
Touring All-Season
UTQG 520/460 A/B | T & H RATED



KUMHO TIRE

Better, All-Ways

TRUCK, SUV & CROSSOVER

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ECSTA STX 40

KL12
Ultra-High Performance All-Season
UTQG 420 A/A | V & W RATED



CRUGEN PREMIUM KL33 42

KL33
CUV/SUV All-Season
UTQG 440 A/A | T, H & V RATED



ROAD VENTURE APT 44

KL51
All-Season Highway Use (HT)
UTQG 600 A/A (P-Metric Only)
T, H & V RATED



CRUGEN HT51 47

HT51
All-Season Highway
UTQG 720 A/A (P-Metric Only)
T, R & S RATED



P-METRIC ONLY

LT-METRIC ONLY



ROAD VENTURE AT51 49

AT51
All-Terrain
UTQG 540 A/A (P-Metric Only)
T & R RATED



ROAD VENTURE MT 52

KL71
Mud-Terrain
Q RATED



857 54

857
Trailer

ORIGINAL EQUIPMENT

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Road Venture AT (KL78),
Road Venture APT (KL51),
Crugen Premium KL33,
Eco Solus KL21,
Ecsta V720 ACR, Solus TA31,
Solus KH16, Solus KH25

TECHNICAL DATA

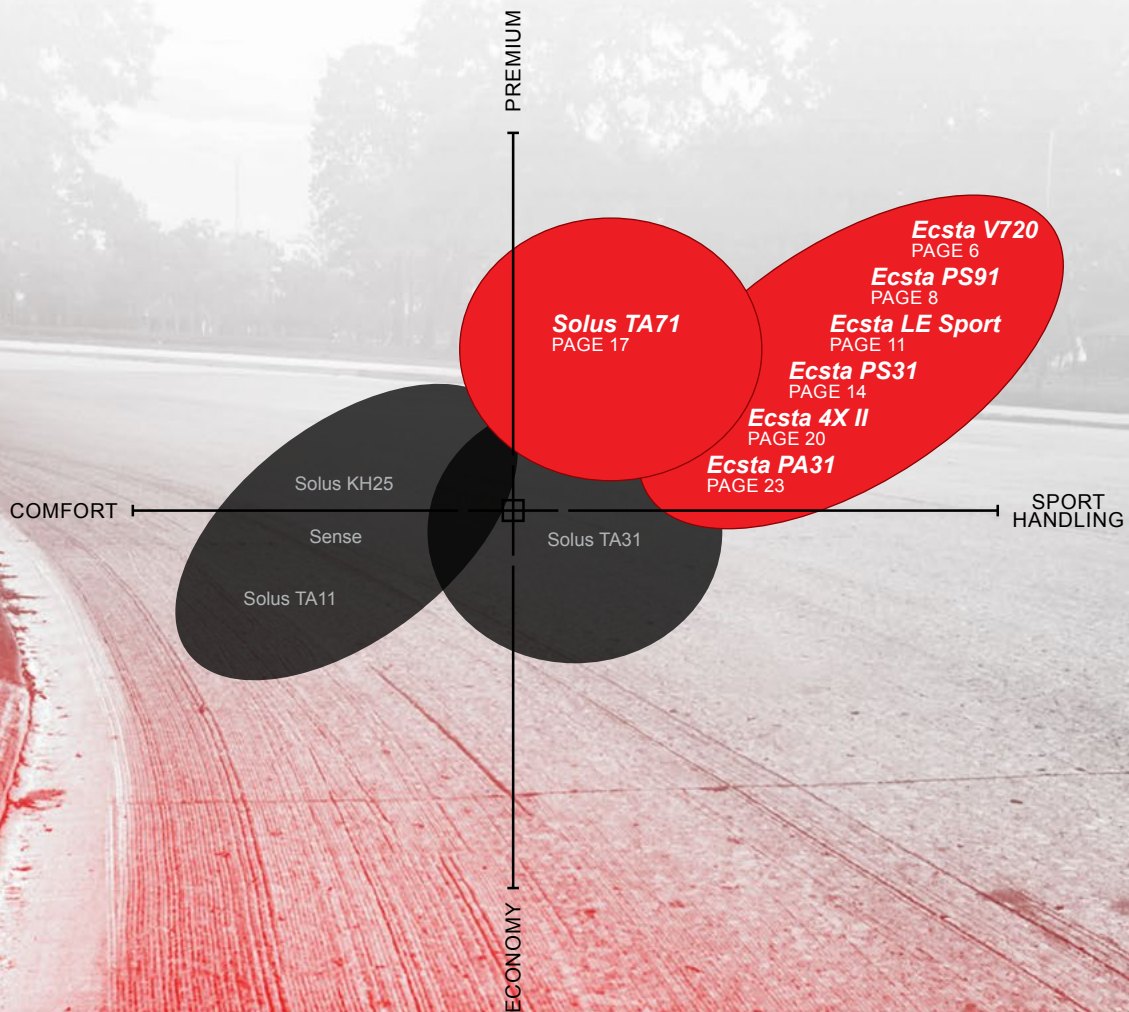
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WARRANTY POLICIES

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PERFORMANCE

The performance Ecsta series is built on a solid foundation of Kumho Tire's race-proven technology. Advanced silica compounding and computer-aided tread patterns maximize Ecsta's traction and handling for winning performance. Expect the ultimate in responsive handling and tight cornering.







ECSTA V720

Street Performance Unleashed

Class: Extreme Performance Summer

The Ecsta V720 was bred for autocross and domesticated for civil society. It offers heart-pounding performance on dry pavement, cool confidence on wet, and an unusually long life for a tire that lives this fast.

Benefits & Technology

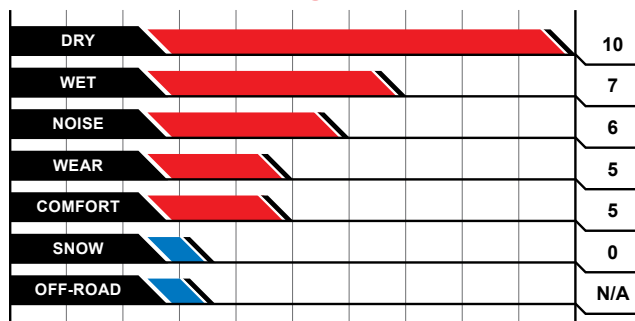
- Solid center rib maintains high-speed stability for precision control under duress
- Wide, optimized outside blocks deliver excellent grip around corners and exceptionally stable dry handling
- Crossed lateral grooves channel water away from the tread for enhanced wet handling. Inside grooves reduce hydroplaning. Outside grooves clear water from the shoulder block for better wet cornering.
- Heat dispersion by 3D hot dimples helps extend the tread life and improve wet performance



Tread Classification: Asymmetric

UTQG 200 A/A | V & W RATED

Performance Ratings



Numeric ratings reflect how a tire compares to other Kumho tires of similar type. A rating of 10 indicates that the tire is designed to perform extremely well under those conditions. A rating less than 4 or N/A (not applicable) indicates that the tire is not designed to excel in that area. 10 = Extremely Well, 5 = Acceptable, 1 = Poor.

Sample Vehicles

BMW M3; Ford Mustang GT500-KR; Honda S2000;
Mini Cooper S; Pontiac G8; Porsche 911; Subaru WRX STI;
Volkswagen Golf GTi, Golf R32

Comparable Competitor Products

BFG g-Force Rival; Bridgestone RE-71R;
Dunlop Direzza ZII Star Spec; Hankook R-S3

AVAILABLE TIRE SIZES ON NEXT PAGE.



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2182413	205/50R15	86V	-	BSW	200 AA/A	5.5 - 7.5	8.4 on 6.5	23.1	21.5	10.7	-	8.0	1,168	51
2182443	225/45R15	87W	-	BSW	200 AA/A	7.0 - 8.5	9.8 on 8.5	23.0	22.1	10.6	-	8.0	1,201	51
2182383	225/50R16	92V	-	BSW	200 AA/A	6.0 - 8.0	9.2 on 7.0	24.9	25.0	11.5	-	8.0	1,389	51
2202053	215/45R17	91W	XL	BSW	200 AA/A	7.0 - 8.0	8.4 on 7.0	24.6	24.3	11.5	-	8.0	1,356	50
2182373	225/45R17	94W	XL	BSW	200 AA/A	7.0 - 8.5	8.9 on 7.5	25.0	25.2	11.6	-	8.0	1,477	50
2141383	235/45R17	95W	-	BSW	200 AA/A	7.5 - 9.0	8.9 on 7.5	25.4	25.1	11.8	-	8.0	1,477	51
2182403	245/40R17	91W	-	BSW	200 AA/A	8.0 - 9.5	9.8 on 8.5	24.7	24.1	11.5	-	8.0	1,356	51
2182423	245/45R17	99W	XL	BSW	200 AA/A	7.5 - 9.0	9.1 on 8.0	25.7	27.7	11.9	-	8.0	1,709	50
2168403	255/40R17	98W	XL	BSW	200 AA/A	8.5 - 10.0	10.7 on 9.5	25.0	26.7	11.6	-	8.0	1,653	50
2202733	225/40R18	92W	XL	BSW	200 AA/A	7.5 - 9.0	8.9 on 7.5	25.1	24.3	11.8	-	7.0	1,389	50
2182393	235/40R18	91W	-	BSW	200 AA/A	8.0 - 9.5	10.2 on 9.0	25.4	25.6	11.9	-	8.0	1,356	51
2202043	245/40R18	97W	XL	BSW	200 AA/A	8.0 - 9.5	9.8 on 8.5	25.7	27.7	12.0	-	8.0	1,609	50
2202743	265/35R18	97W	XL	BSW	200 AA/A	9.0 - 10.5	9.3 on 8.0	25.3	28.5	11.9	-	7.5	1,609	50
2182433	245/40R19	94W	-	BSW	200 AA/A	8.0 - 9.5	9.5 on 8.5	26.7	28.9	12.5	-	8.0	1,477	51
2202753	305/30R19	102W	XL	BSW	200 AA/A	10.5 - 11.5	9.6 on 8.0	26.3	32.2	12.3	-	8.0	1,874	50

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall



ECSTA PS91

Max Summer Performance

Class: Max Performance Summer

Developed for the ultimate supercar enthusiast, the Ecsta PS91 delivers a high level of wet and dry handling performance at high speeds on and off the track.

Benefits & Technology

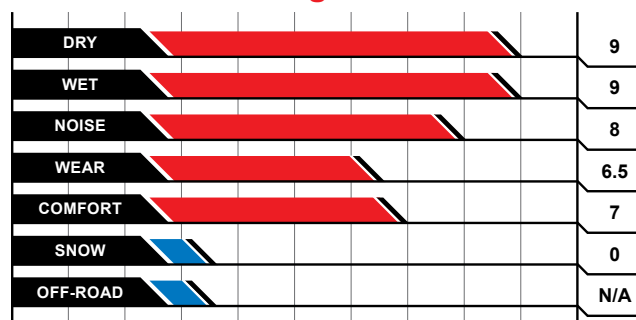
- A compounded rib tread design increases stability and performance at high speeds
- Application of cosmetic racing-flag tread indentations portray an exotic supercar image
- The C-Cut 3D design enhances block stiffness, providing optimum braking performance and stability
- The 3D dimple design minimizes internal heat which maximizes block durability
- The sidewall's racing-inspired checkered design communicates the tire's ultra-high performance capabilities



Tread Classification: Asymmetric

UTQG 260 AA/A | (Y) RATED

Performance Ratings



Numeric ratings reflect how a tire compares to other Kumho tires of similar type. A rating of 10 indicates that the tire is designed to perform extremely well under those conditions. A rating less than 4 or N/A (not applicable) indicates that the tire is not designed to excel in that area. 10 = Extremely Well, 5 = Acceptable, 1 = Poor.

Sample Vehicles

Audi R8; BMW M6; Chevrolet Corvette; Dodge Challenger Hellcat; Ferrari F430; Porsche 911

Comparable Competitor Products

Michelin Pilot Super Sport; Pirelli P Zero; ContiSportContact 5P

AVAILABLE TIRE SIZES ON NEXT PAGE.



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2167343	225/40ZR18	92 (Y)	XL	BSW	260 AA/A	7.5 - 9.0	9.1 on 8.0	25.1	23.0	9.8	-	8.0	1,389	50
2167403	225/45ZR18	95 (Y)	XL	BSW	260 AA/A	7.0 - 8.5	8.9 on 7.5	25.9	24.5	9.8	-	8.0	1,521	50
2167333	235/40ZR18	95 (Y)	XL	BSW	260 AA/A	8.0 - 9.5	9.5 on 8.5	25.4	24.2	9.8	-	8.0	1,521	50
2167323	245/35ZR18	92 (Y)	XL	BSW	260 AA/A	8.0 - 9.5	9.8 on 8.5	24.8	24.5	9.8	-	8.0	1,389	50
2167313	245/40ZR18	97 (Y)	XL	BSW	260 AA/A	8.0 - 9.5	9.8 on 8.5	25.7	26.1	9.8	-	8.0	1,609	50
2167303	245/45ZR18	100 (Y)	XL	BSW	260 AA/A	7.5 - 9.0	9.7 on 8.0	26.7	27.2	9.8	-	8.0	1,764	50
2167293	255/35ZR18	94 (Y)	XL	BSW	260 AA/A	8.5 - 10.0	10.2 on 9.0	25.0	25.5	9.8	-	8.0	1,477	50
2181423	255/40ZR18	99 (Y)	XL	BSW	260 AA/A	8.5 - 10.0	10.2 on 9.0	26.0	26.5	9.8	-	8.0	1,709	50
2181433	265/35ZR18	97 (Y)	XL	BSW	260 AA/A	9.0 - 10.5	10.7 on 9.5	25.3	26.7	9.8	-	8.0	1,609	50
2167253	265/40ZR18	101 (Y)	XL	BSW	260 AA/A	9.0 - 10.5	10.7 on 9.5	26.3	27.8	9.8	-	8.0	1,819	50
2167233	275/35ZR18	99 (Y)	XL	BSW	260 AA/A	9.0 - 11.0	10.9 on 9.5	25.6	28.4	9.8	-	8.0	1,709	50
2167223*	275/40ZR18	103 (Y)	XL	BSW	260 AA/A	9.0 - 11.0	10.9 on 9.5	26.7	30.2	9.8	-	8.0	1,929	50
2167383*	225/35ZR19	88 (Y)	XL	BSW	260 AA/A	7.5 - 9.0	9.1 on 8.0	25.2	21.4	9.8	-	8.0	1,235	50
2175413	225/40ZR19	93 (Y)	XL	BSW	260 AA/A	7.5 - 9.0	9.1 on 8.0	26.1	21.8	9.8	-	8.0	1,433	50
2160853	235/35ZR19	91 (Y)	XL	BSW	260 AA/A	8.0 - 9.5	9.5 on 8.5	25.5	22.0	9.8	-	8.0	1,356	50
2160873	245/35ZR19	93 (Y)	XL	BSW	260 AA/A	8.0 - 9.5	9.8 on 8.5	25.8	26.4	9.8	-	8.0	1,433	50
2173253	245/40ZR19	98 (Y)	XL	BSW	260 AA/A	8.0 - 9.5	9.8 on 8.5	26.7	26.2	9.8	-	8.0	1,653	50
2167373*	245/45ZR19	102 (Y)	XL	BSW	260 AA/A	7.5 - 9.0	9.6 on 8.0	27.7	28.1	9.8	-	8.0	1,874	50
2173283*	255/30ZR19	91 (Y)	XL	BSW	260 AA/A	8.5 - 9.5	10.2 on 9.0	25.1	24.8	9.8	-	8.0	1,356	50
2160903	255/35ZR19	96 (Y)	XL	BSW	260 AA/A	8.5 - 10.0	10.2 on 9.0	26.0	27.7	9.8	-	8.0	1,565	50
2175453	255/40ZR19	100 (Y)	XL	BSW	260 AA/A	8.5 - 10.0	10.2 on 9.0	27.0	27.5	9.8	-	8.0	1,764	50
2175443*	255/45ZR19	104 (Y)	XL	BSW	260 AA/A	8.0 - 9.5	10.0 on 8.5	28.1	29.0	9.8	-	8.0	1,984	50
2167263	265/30ZR19	93 (Y)	XL	BSW	260 AA/A	9.0 - 10.0	10.7 on 9.5	25.3	25.8	9.8	-	8.0	1,433	50
2160883	265/35ZR19	98 (Y)	XL	BSW	260 AA/A	9.0 - 10.5	10.7 on 9.5	26.3	28.9	9.8	-	8.0	1,653	50
2181443	275/30ZR19	96 (Y)	XL	BSW	260 AA/A	9.0 - 10.0	10.9 on 9.5	25.6	28.5	9.8	-	8.0	1,565	50
2175433	275/35ZR19	100 (Y)	XL	BSW	260 AA/A	9.0 - 11.0	10.9 on 9.5	26.6	29.1	9.8	-	8.0	1,764	50
2167213*	275/40ZR19	105 (Y)	XL	BSW	260 AA/A	9.0 - 11.0	10.9 on 9.5	27.7	30.6	9.8	-	8.0	2,039	50
2160913	285/30ZR19	98 (Y)	XL	BSW	260 AA/A	9.5 - 10.5	11.4 on 10.0	25.8	30.4	9.8	-	8.0	1,653	50
2181453	285/35ZR19	103 (Y)	XL	BSW	260 AA/A	9.5 - 11.0	11.4 on 10.0	25.9	29.9	9.8	-	8.0	1,929	50
2176033*	285/40ZR19	107 (Y)	XL	BSW	260 AA/A	9.5 - 11.0	11.4 on 10.0	28.0	32.1	9.8	-	8.0	2,150	50
2160893	295/30ZR19	100 (Y)	XL	BSW	260 AA/A	10.0 - 11.0	11.9 on 10.5	26.0	31.5	9.8	-	8.0	1,764	50
2176023	305/30ZR19	102 (Y)	XL	BSW	260 AA/A	10.5 - 11.5	12.3 on 11.0	26.3	31.4	9.8	-	8.0	1,874	50

* New Sizes for 2nd Quarter 2016

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall

INFORMATION CONTINUES ON NEXT PAGE ...



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2175423*	235/35ZR20	92 (Y)	XL	BSW	260 AA/A	8.0 - 9.5	9.5 on 8.5	26.5	22.9	9.8	-	8.0	1,389	50
2160863	245/35ZR20	95 (Y)	XL	BSW	260 AA/A	8.0 - 9.5	9.8 on 8.5	26.8	27.9	9.8	-	8.0	1,521	50
2175463	245/45ZR20	103 (Y)	XL	BSW	260 AA/A	7.5 - 9.0	9.6 on 8.0	28.7	29.3	9.8	-	8.0	1,929	50
2167283	255/35ZR20	97 (Y)	XL	BSW	260 AA/A	8.5 - 10.0	10.2 on 9.0	27.0	27.6	9.8	-	8.0	1,609	50
2167273	255/40ZR20	101 (Y)	XL	BSW	260 AA/A	8.5 - 10.0	10.2 on 9.0	28.0	29.2	9.8	-	8.0	1,819	50
2173263	265/35ZR20	99 (Y)	XL	BSW	260 AA/A	9.0 - 10.5	10.7 on 9.5	27.3	28.8	9.8	-	8.0	1,709	50
2167363	275/35ZR20	102 (Y)	XL	BSW	260 AA/A	9.0 - 11.0	10.9 on 9.5	27.6	31.4	9.8	-	8.0	1,874	50
2173273	275/40ZR20	106 (Y)	XL	BSW	260 AA/A	9.0 - 11.0	10.9 on 9.5	28.7	31.9	9.8	-	8.0	2,094	50
2167193*	285/35ZR20	104 (Y)	XL	BSW	260 AA/A	9.5 - 11.0	11.4 on 10.0	27.9	32.4	9.8	-	8.0	1,984	50
2160923	295/30ZR20	101 (Y)	XL	BSW	260 AA/A	10.0 - 11.0	11.9 on 10.5	27.0	32.8	9.8	-	8.0	1,819	50
2167183	295/35ZR20	105 (Y)	XL	BSW	260 AA/A	10.0 - 11.5	11.9 on 10.5	28.1	33.0	9.8	-	8.0	2,039	50

* New Sizes for 2nd Quarter 2016

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall



ECSTA LE SPORT

A Powerful Street Tire with Track-Inspired Performance

Class: Maximum Performance Summer

The result of our commitment to produce a tire worthy of today's most powerful European and American coupes and sedans, the Ecsta LE Sport pushes limits and impresses the enthusiast in every critical area by proudly delivering world-class grip, braking, cornering and control in all conditions.

Benefits & Technology

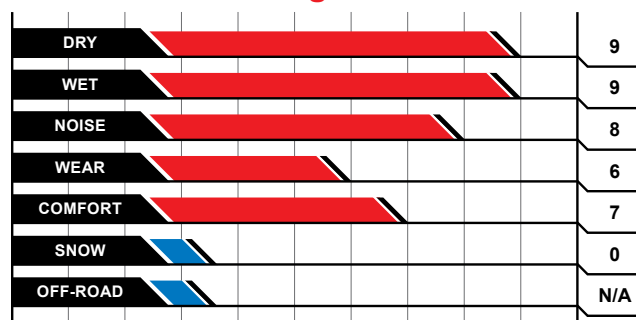
- High-speed stability and quicker steering response, advantages of a continuous contact center rib
- Outstanding wet and dry traction driven by an asymmetric tread design
- Heightened feedback and longer tread life through an optimized footprint shape that evenly distributes pressure
- Low noise and high comfort, enhanced by a variable tread block design



Tread Classification: Asymmetric

UTQG 280 AA/A | Y RATED

Performance Ratings



Numeric ratings reflect how a tire compares to other Kumho tires of similar type. A rating of 10 indicates that the tire is designed to perform extremely well under those conditions. A rating less than 4 or N/A (not applicable) indicates that the tire is not designed to excel in that area. 10 = Extremely Well, 5 = Acceptable, 1 = Poor.

Sample Vehicles

Audi S6; BMW 1 Series, 3 Series, 5 Series; Infiniti G; Lexus IS 350; Mercedes-Benz C-Class, E-Class, SL-Class; Porsche Cayman

Comparable Competitor Products

Bridgestone Potenza RE050; Continental ExtremeContact DW; Goodyear Eagle F1 Asymmetric; Michelin Pilot Super Sport; Pirelli P Zero Nero

AVAILABLE TIRE SIZES ON NEXT PAGE.



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2127153	205/55ZR16	91Y	-	BSW	280 AA/A	5.5 - 7.5	8.4 on 6.5	24.9	22.0	11.5	834	10.0	1,356	51
2127203	205/45ZR17	88Y	XL	BSW	280 AA/A	6.5 - 7.5	8.1 on 7.0	24.3	20.0	11.3	854	10.0	1,235	50
2126983	215/40ZR17	87Y	XL	BSW	280 AA/A	7.0 - 8.5	8.6 on 7.5	23.8	19.9	11.1	873	10.0	1,202	50
2127213	215/45ZR17	91Y	XL	BSW	280 AA/A	7.0 - 8.0	8.4 on 7.0	24.6	21.2	11.5	844	10.0	1,356	50
2126853	215/50ZR17	95Y	XL	BSW	280 AA/A	6.0 - 7.5	8.9 on 7.0	25.5	24.4	11.8	815	10.0	1,521	50
2126723	225/45ZR17	94Y	XL	BSW	280 AA/A	7.0 - 8.5	8.9 on 7.5	25.0	23.4	11.6	831	10.0	1,477	50
2126733	235/45ZR17	97Y	XL	BSW	280 AA/A	7.5 - 9.0	9.3 on 8.0	25.4	23.4	11.8	818	10.0	1,609	50
2118183	245/40ZR17	95Y	XL	BSW	280 AA/A	8.0 - 9.5	9.8 on 8.5	24.7	24.5	11.5	841	10.0	1,521	50
2151043	245/45ZR17	99Y	XL	BSW	280 AA/A	7.5 - 9.0	9.6 on 8.0	25.7	25.8	11.9	808	10.0	1,709	50
2127043	255/40ZR17	94Y	-	BSW	280 AA/A	8.5 - 10.0	10.2 on 9.0	25.0	26.2	11.7	831	10.0	1,477	51
2118043	225/35ZR18	87Y	XL	BSW	280 AA/A	7.5 - 9.0	9.1 on 8.0	24.2	20.1	11.4	858	10.0	1,201	50
2106973	225/40ZR18	92Y	XL	BSW	280 AA/A	7.5 - 9.0	9.1 on 8.0	25.1	23.8	11.8	828	10.0	1,389	50
2126863	225/45ZR18	95Y	XL	BSW	280 AA/A	7.0 - 8.5	8.9 on 7.5	25.9	26.2	12.1	802	10.0	1,521	50
2126763	235/40ZR18	95Y	XL	BSW	280 AA/A	8.0 - 9.5	9.5 on 8.5	25.4	25.6	11.9	818	10.0	1,521	50
2126883	235/45ZR18	98Y	XL	BSW	280 AA/A	7.5 - 9.0	9.3 on 8.0	26.3	27.3	12.2	790	10.0	1,653	50
2127003	245/35ZR18	92Y	XL	BSW	280 AA/A	8.0 - 9.5	9.8 on 8.5	24.8	24.9	11.7	838	10.0	1,389	50
2118203	245/40ZR18	97Y	XL	BSW	280 AA/A	8.0 - 9.5	9.8 on 8.5	25.7	27.5	12.0	808	10.0	1,609	50
2118233	245/45ZR18	100Y	XL	BSW	280 AA/A	7.5 - 9.0	9.6 on 8.0	26.7	28.6	12.4	778	10.0	1,764	50
2127033	255/35ZR18	94Y	XL	BSW	280 AA/A	8.5 - 10.0	10.2 on 9.0	25.0	26.3	11.7	831	10.0	1,477	50
2118313	255/40ZR18	99Y	XL	BSW	280 AA/A	8.5 - 10.0	10.2 on 9.0	26.0	28.1	12.1	799	10.0	1,709	50
2118323	255/45ZR18	103Y	XL	BSW	280 AA/A	8.5 - 9.5	10.0 on 8.5	27.0	29.6	12.5	769	10.0	1,929	50
2118373	265/35ZR18	97Y	XL	BSW	280 AA/A	9.0 - 10.5	10.7 on 9.5	25.3	27.3	11.9	821	10.0	1,609	50
2118393	265/40ZR18	101Y	XL	BSW	280 AA/A	9.0 - 10.5	10.7 on 9.5	26.3	29.7	12.2	790	10.0	1,819	50
2118443	275/35ZR18	95Y	-	BSW	280 AA/A	9.0 - 11.0	10.9 on 9.5	25.6	28.7	11.9	811	10.0	1,521	51
2118563	285/35ZR18	101Y	XL	BSW	280 AA/A	9.5 - 11.0	11.4 on 10.0	25.9	30.4	12.1	802	9.5	1,819	50
2126743	215/35ZR19	85Y	-	BSW	280 AA/A	7.0 - 8.5	8.6 on 7.5	24.9	21.2	11.8	834	10.0	1,135	50
2126753	225/35ZR19	88Y	XL	BSW	280 AA/A	7.5 - 9.0	9.1 on 8.0	25.2	22.9	11.9	824	10.0	1,235	50
2138373	225/40ZR19	93Y	XL	BSW	280 AA/A	7.5 - 9.0	9.1 on 8.0	26.1	24.0	12.3	796	10.0	1,433	50
2105693	235/35ZR19	91Y	XL	BSW	280 AA/A	8.0 - 9.5	9.5 on 8.5	25.5	25.1	12.0	815	10.0	1,356	50
2138403	245/35ZR19	93Y	XL	BSW	280 AA/A	8.0 - 9.5	9.8 on 8.5	25.8	24.8	12.2	805	10.0	1,433	50
2138413	245/40ZR19	98Y	XL	BSW	280 AA/A	8.0 - 9.5	9.8 on 8.5	26.7	25.9	12.5	778	10.0	1,653	50
2138433	245/45ZR19	102Y	XL	BSW	280 AA/A	7.5 - 9.0	9.6 on 8.0	27.7	28.0	12.9	750	10.0	1,874	50



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2107373	255/35ZR19	96Y	XL	BSW	280 AA/A	8.5 - 10.0	10.2 on 9.0	26.0	27.5	12.2	799	10.0	1,565	50
2138443	255/40ZR19	100Y	XL	BSW	280 AA/A	8.5 - 10.0	10.2 on 9.0	27.0	26.9	12.6	769	10.0	1,764	50
2126993	265/30ZR19	93Y	XL	BSW	280 AA/A	9.0 - 10.0	10.7 on 9.5	25.3	27.3	12.0	821	10.0	1,433	50
2138463	275/35ZR19	100Y	XL	BSW	280 AA/A	9.0 - 10.5	10.9 on 9.5	26.6	28.0	12.4	781	10.0	1,764	50
2138483	275/40ZR19	105Y	XL	BSW	280 AA/A	9.0 - 10.5	10.9 on 9.5	27.7	29.7	12.9	750	10.0	2,039	50
2138493	285/35ZR19	103Y	XL	BSW	280 AA/A	9.5 - 11.0	11.4 on 10.0	26.9	29.2	12.6	772	9.5	1,929	50
2105723	295/30ZR19	100Y	XL	BSW	280 AA/A	10.0 - 11.0	11.9 on 10.5	26.0	30.4	12.2	799	9.5	1,764	50
2118223	245/40ZR20	99Y	XL	BSW	280 AA/A	8.0 - 9.5	9.8 on 8.5	27.7	28.5	13.0	750	10.0	1,709	50
2138473	275/35ZR20	102Y	XL	BSW	280 AA/A	9.0 - 10.5	10.9 on 9.5	27.6	28.9	13.0	753	10.0	1,874	50

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall



ECSTA PS31

Summer UHP

Class: Ultra-High Performance Summer

Designed to take any driver to the next level, the Ecsta PS31 proves that a perfect balance of high-speed stability, low road noise and safety can be achieved in a tire.

Benefits & Technology

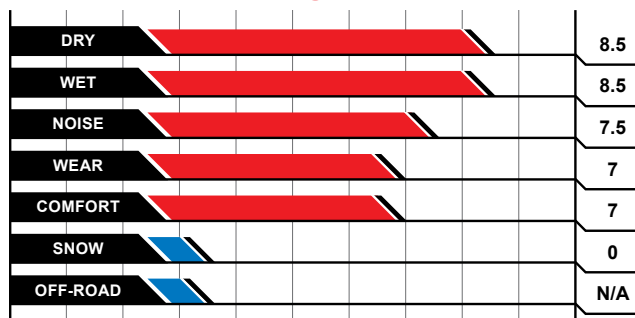
- A solid center rib and stylish lateral grooves reinforce block stiffness and improve wet braking
- Wide lateral grooves maximize water displacement when cornering and prevent irregular wear due to the 0-10 degree angle range
- Wide four-channel circumferential grooves improve hydroplaning resistance
- 3D dimple design minimizes heat build-up on tread blocks, enhancing high-speed durability
- Microgrooves with diagonal siping allow water to drain efficiently to avoid hydroplaning



Tread Classification: Directional

UTQG 400 A/A | V & W RATED

Performance Ratings



Numeric ratings reflect how a tire compares to other Kumho tires of similar type. A rating of 10 indicates that the tire is designed to perform extremely well under those conditions. A rating less than 4 or N/A (not applicable) indicates that the tire is not designed to excel in that area. 10 = Extremely Well, 5 = Acceptable, 1 = Poor.

Sample Vehicles

Audi A4; BMW 3 Series; Ford Mustang; Mini Cooper; Nissan 370Z; Subaru BRZ

Comparable Competitor Products

Hankook Ventus V12 evo2; BFG g-Force Sport COMP-2; Bridgestone Potenza S-04 Pole Position; Pirelli Cinturato P7

AVAILABLE TIRE SIZES ON NEXT PAGE.



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2184753	165/55R14	76V	XL	BSW	400 A/A	4.5 - 6.0	6.7 on 5.0	21.2	14.9	9.8	-	10.5	882	50
2203903	185/55R15	82V	-	BSW	400 A/A	5.0 - 6.5	7.6 on 6.0	23.0	17.7	10.6	-	10.5	1,047	51
2168003	195/50R15	82V	-	BSW	400 A/A	5.5 - 7.0	7.9 on 6.0	22.7	17.6	10.5	-	10.5	1,047	51
2168013	195/55R15	85V	-	BSW	400 A/A	5.5 - 7.0	7.9 on 6.0	23.4	18.6	10.8	-	10.5	1,135	51
2168023	205/50R15	86V	-	BSW	400 A/A	5.5 - 7.5	8.4 on 6.5	23.1	18.8	10.7	-	10.5	1,168	51
2168033	205/55R15	88V	-	BSW	400 A/A	5.5 - 7.5	8.4 on 6.5	23.9	19.6	11.0	-	10.5	1,235	51
2168043	205/45ZR16	87W	XL	BSW	400 A/A	6.5 - 7.5	8.1 on 7.0	23.2	18.9	10.8	-	10.5	1,201	50
2168053	205/50ZR16	87W	-	BSW	400 A/A	5.5 - 7.5	8.4 on 6.5	24.1	20.0	11.2	-	10.5	1,201	51
2168063	205/55ZR16	91W	-	BSW	400 A/A	5.5 - 7.5	8.4 on 6.5	24.9	21.8	11.5	-	10.5	1,356	51
2168073	215/55ZR16	97W	XL	BSW	400 A/A	6.0 - 7.5	8.9 on 7.0	25.3	23.5	11.6	-	10.5	1,609	50
2184773	225/50ZR16	92W	-	BSW	400 A/A	6.0 - 8.0	9.2 on 7.0	24.9	22.7	11.5	-	10.5	1,389	51
2184763	225/55ZR16	95W	-	BSW	400 A/A	6.0 - 8.0	9.2 on 7.0	25.7	24.6	11.8	-	10.5	1,521	51
2168093	205/40ZR17	84W	XL	BSW	400 A/A	7.0 - 8.0	8.3 on 7.5	23.5	19.2	11.0	-	10.5	1,102	50
2168113	205/45ZR17	88W	XL	BSW	400 A/A	6.5 - 7.5	8.1 on 7.0	24.3	19.8	11.3	-	10.5	1,235	50
2168163	205/50ZR17	93W	XL	BSW	400 A/A	5.5 - 7.5	8.4 on 6.5	25.1	21.3	11.7	-	10.5	1,433	50
2184783	215/40ZR17	87W	XL	BSW	400 A/A	7.0 - 8.5	8.6 on 7.5	23.8	20.3	11.1	-	10.5	1,201	50
2168123	215/45ZR17	91W	XL	BSW	400 A/A	7.0 - 8.0	8.4 on 7.0	24.6	21.3	11.5	-	10.5	1,356	50
2168173	215/50ZR17	95W	XL	BSW	400 A/A	6.0 - 7.5	8.9 on 7.0	25.5	24.2	11.8	-	10.5	1,521	50
2168193	215/55ZR17	94W	-	BSW	400 A/A	6.0 - 7.5	8.9 on 7.0	26.3	23.8	12.1	-	10.5	1,477	51
2168133	225/45ZR17	94W	XL	BSW	400 A/A	7.0 - 8.5	8.9 on 7.5	25.0	22.9	11.6	-	10.5	1,477	50
2168183	225/50ZR17	98W	XL	BSW	400 A/A	6.0 - 8.0	9.2 on 7.0	25.9	24.9	12.0	-	10.5	1,653	50
2168203	225/55ZR17	101W	XL	BSW	400 A/A	6.0 - 8.0	9.2 on 7.0	26.8	26.2	12.3	-	10.5	1,819	50
2168143	235/45ZR17	94W	-	BSW	400 A/A	7.5 - 9.0	9.3 on 8.0	25.4	24.4	11.8	-	10.5	1,477	51
2184793	235/50ZR17	100W	XL	BSW	400 A/A	6.5 - 8.5	9.6 on 7.5	26.3	26.1	12.1	-	10.5	1,764	50
2168213	235/55ZR17	103W	XL	BSW	400 A/A	6.5 - 8.5	9.6 on 7.5	27.2	27.4	12.5	-	10.5	1,929	50
2184803	245/40ZR17	91W	-	BSW	400 A/A	8.0 - 9.5	9.8 on 8.5	24.7	24.5	11.5	-	10.5	1,356	51
2168153	245/45ZR17	95W	-	BSW	400 A/A	7.5 - 9.0	9.6 on 8.0	25.7	25.4	11.9	-	10.5	1,521	51
2184823	255/40ZR17	94W	-	BSW	400 A/A	8.5 - 10.0	10.2 on 9.0	25.0	26.0	11.6	-	10.5	1,477	51
2184833	275/40ZR17	98W	-	BSW	400 A/A	9.0 - 11.0	10.9 on 9.5	25.7	28.7	11.9	-	10.5	1,653	51



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2184843	215/40ZR18	89W	XL	BSW	400 A/A	7.0 - 8.5	8.6 on 7.5	24.8	21.3	11.6	-	10.5	1,279	50
2203913	215/45ZR18	93W	XL	BSW	400 A/A	7.0 - 8.0	8.4 on 7.0	25.6	22.6	12.0	-	10.5	1,433	50
2168223	225/40ZR18	92W	XL	BSW	400 A/A	7.5 - 9.0	9.1 on 8.0	25.1	23.7	11.8	-	10.5	1,389	50
2168233	225/45ZR18	91W	-	BSW	400 A/A	7.0 - 8.5	8.9 on 7.5	25.9	24.3	12.1	-	10.5	1,356	51
2184853	225/50ZR18	95W	-	BSW	400 A/A	6.0 - 8.0	9.2 on 7.0	26.9	26.0	12.5	-	10.5	1,521	51
2168243	235/40ZR18	95W	XL	BSW	400 A/A	8.0 - 9.5	9.5 on 8.5	25.4	24.4	11.9	-	10.5	1,521	50
2168253	235/45ZR18	98W	XL	BSW	400 A/A	7.5 - 9.0	9.3 on 8.0	26.3	25.4	12.3	-	10.5	1,653	50
2168263	235/50ZR18	101W	XL	BSW	400 A/A	6.5 - 8.5	9.6 on 7.5	27.3	27.7	12.6	-	10.5	1,819	50
2168273	245/40ZR18	97W	XL	BSW	400 A/A	8.0 - 9.5	9.8 on 8.5	25.7	25.6	12.0	-	10.5	1,609	50
2184873	245/45ZR18	100W	XL	BSW	400 A/A	7.5 - 9.0	9.6 on 8.0	26.7	27.3	12.4	-	10.5	1,764	50
2184863	245/50ZR18	100W	-	BSW	400 A/A	7.0 - 8.5	10.0 on 7.5	27.7	28.8	12.8	-	10.5	1,764	51
2184893	255/35ZR18	94W	XL	BSW	400 A/A	8.5 - 10.0	10.2 on 9.0	25.0	25.7	11.7	-	10.5	1,477	50
2184883	255/45ZR18	99W	-	BSW	400 A/A	8.0 - 9.5	10.0 on 8.5	27.0	28.0	12.5	-	10.5	1,709	51
2184903	265/35ZR18	97W	XL	BSW	400 A/A	9.0 - 10.5	10.7 on 9.5	25.3	27.0	11.9	-	10.5	1,609	50
2184923	275/35ZR18	99W	XL	BSW	400 A/A	9.0 - 11.0	10.9 on 9.5	25.6	28.5	11.9	-	10.5	1,709	50
2184913	275/40ZR18	99W	-	BSW	400 A/A	9.0 - 11.0	10.9 on 9.5	26.7	29.7	12.4	-	10.5	1,709	51

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall

SOLUS TA71

Premium Comfort & Exceptional All-Season Performance

Class: Grand Touring All-Season

Exceptional road feel and tight, responsive steering rank the Solus TA71 among the world's elite all-season tires. Quiet comfort and astounding performance on wet and snowy roads make it a natural choice for luxury sedans and for the people who love to drive them.

Benefits & Technology

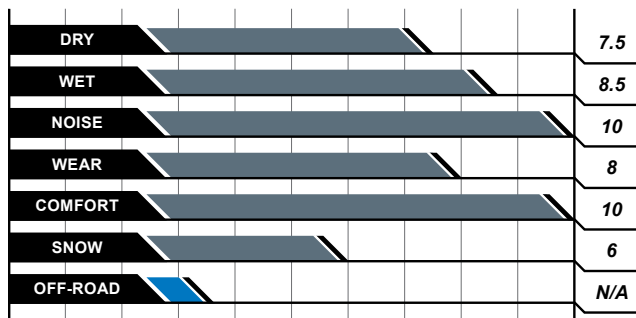
- Excellent wet traction provided by the four wide grooves, which evacuate water quickly
- Tiny gripping edges created by angled snow sipes are fine-tuned for traction on cold, slick surfaces
- Exceptional grip and steering response in any weather, driven by an advanced asymmetric tread and oversized contact area



Tread Classification: Asymmetric

UTQG 600 A/A & 500 AA/A
V & W RATED

Performance Ratings



Numeric ratings reflect how a tire compares to other Kumho tires of similar type. A rating of 10 indicates that the tire is designed to perform extremely well under those conditions. A rating less than 4 or N/A (not applicable) indicates that the tire is not designed to excel in that area. 10 = Extremely Well, 5 = Acceptable, 1 = Poor.

Sample Vehicles

Acura RL; Audi A4, A6; BMW 3 Series, 5 Series; Cadillac CTS; Honda Accord; Infiniti G37, M37; Mercedes-Benz C-Class

Comparable Competitor Products

Bridgestone Turanza Serenity; Michelin Primacy MXM4; Pirelli Cinturato P7 All Season

AVAILABLE TIRE SIZES ON NEXT PAGE.



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2169533	195/60R15	88V		BSW	600 A/A	5.5 - 7.0	8.0 on 6.0	24.3	19.4	11.1		11.6	1,235	51
2169543	195/65R15	91V		BSW	600 A/A	5.5 - 7.0	8.2 on 6.0	25.0	19.8	11.4		11.6	1,356	51
2169553	205/65R15	94V		BSW	600 A/A	5.5 - 7.5	8.5 on 6.0	25.5	21.3	11.6		11.6	1,477	51
2169563	205/55R16	91V		BSW	600 A/A	5.5 - 7.5	8.7 on 6.5	24.9	21.6	11.5		11.6	1,356	51
2169573	205/60R16	96V	XL	BSW	600 A/A	5.5 - 7.5	8.5 on 6.0	25.7	23.3	11.8		11.6	1,565	50
2169583	205/65R16	95V		BSW	600 A/A	5.5 - 7.5	8.5 on 6.0	26.5	22.6	12.1		11.6	1,521	51
2169593	215/55R16	97V	XL	BSW	600 A/A	6.0 - 7.5	9.2 on 7.0	25.3	24.6	11.6		11.6	1,609	50
2169603	215/60R16	95V		BSW	600 A/A	6.0 - 7.5	8.9 on 6.5	26.2	24.0	12.0		11.6	1,521	51
2169613	225/55R16	95V		BSW	600 A/A	6.0 - 8.0	9.6 on 7.0	25.8	24.2	11.8		11.6	1,521	51
2169623	225/60R16	98V		BSW	600 A/A	6.0 - 8.0	9.3 on 6.5	26.7	27.5	12.2		11.6	1,653	51
2169633	205/50R17	93V	XL	BSW	600 A/A	5.5 - 7.5	8.7 on 6.5	25.2	22.1	11.7		11.6	1,433	50
2169643	215/50R17	95V	XL	BSW	600 A/A	6.0 - 7.5	9.2 on 7.0	25.6	24.1	11.9		11.6	1,521	50
2169653	215/55R17	94V		BSW	600 A/A	6.0 - 7.5	9.2 on 7.0	26.3	23.2	12.1		11.6	1,477	51
2169663	225/45R17	91W		BSW	500 AA/A	7.0 - 8.5	9.0 on 7.5	25.0	22.3	11.6		11.6	1,356	51
2169673	225/50R17	98W	XL	BSW	500 AA/A	6.0 - 8.0	9.3 on 7.0	25.9	26.3	12.0		11.6	1,653	50
2169683	225/55R17	101V	XL	BSW	600 A/A	6.0 - 8.0	9.6 on 7.0	26.8	26.8	12.3		11.6	1,819	50
2169693	235/45R17	97W	XL	BSW	500 AA/A	7.5 - 9.0	9.6 on 8.0	25.4	25.5	11.8		11.6	1,609	50
2169703	235/50R17	96V		BSW	600 A/A	6.5 - 8.5	10.0 on 7.5	26.3	27.4	12.1		11.6	1,565	51
2169713	235/55R17	103W	XL	BSW	500 AA/A	6.5 - 8.5	10.0 on 7.5	27.2	28.9	12.5		11.6	1,929	50
2169833	245/40R17	91W		BSW	500 AA/A	8.0 - 9.5	10.0 on 8.5	24.8	24.8	11.5		11.6	1,356	51
2169843	245/45R17	99W	XL	BSW	500 AA/A	7.5 - 9.0	9.8 on 8.0	25.7	26.8	11.9		11.6	1,709	50
2169723	245/50R17	99V		BSW	600 A/A	7.0 - 8.5	10.3 on 7.5	26.7	29.4	12.3		11.6	1,709	51
2169853	255/40R17	94W		BSW	500 AA/A	8.5 - 10.0	10.5 on 9.0	25.1	25.8	11.7		11.6	1,477	51
2169733	225/40R18	92V	XL	BSW	600 A/A	7.5 - 9.0	9.2 on 8.0	25.1	22.6	11.8		11.6	1,389	50
2169743	225/45R18	95W	XL	BSW	500 AA/A	7.0 - 8.5	9.1 on 7.5	26.0	25.1	12.1		11.6	1,521	50
2169753	225/50R18	95W		BSW	500 AA/A	6.0 - 8.0	9.6 on 7.0	26.9	26.6	12.5		11.6	1,521	51
2169863	225/60R18	100V		BSW	600 A/A	6.0 - 8.0	9.4 on 6.5	28.7	28.9	13.1		11.6	1,764	51
2169763	235/40R18	95W	XL	BSW	500 AA/A	8.0 - 9.5	9.6 on 8.5	25.4	23.8	11.9		11.6	1,521	50
2169873	235/45R18	98V	XL	BSW	600 A/A	7.5 - 9.0	9.6 on 8.0	26.4	26.1	12.3		11.6	1,653	50
2169773	235/50R18	97W		BSW	500 AA/A	6.5 - 8.5	10.0 on 7.5	27.3	28.2	12.6		11.6	1,609	51
2169883	235/55R18	100V		BSW	600 A/A	6.5 - 8.5	9.9 on 7.5	28.2	29.9	13.0		11.6	1,764	51
2169783	245/40R18	97W	XL	BSW	500 AA/A	8.0 - 9.5	10.0 on 8.5	25.7	26.6	12.0		11.6	1,609	50

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall

INFORMATION CONTINUES ON NEXT PAGE ...



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2169793	245/45R18	100W	XL	BSW	500 AA/A	7.5 - 9.0	9.8 on 8.0	26.7	27.7	12.4		11.6	1,764	50
2169803	245/50R18	104V	XL	BSW	600 A/A	7.0 - 8.5	10.2 on 7.5	27.7	30.5	12.8		11.6	1,984	50
2169813	255/45R18	99W		BSW	500 AA/A	8.0 - 9.5	10.2 on 8.5	27.1	29.3	12.6		11.6	1,709	51
2169823	245/40R19	98W	XL	BSW	500 AA/A	8.0 - 9.5	10.0 on 8.5	26.8	28.1	12.5		11.6	1,653	50
2169893	245/45R19	102W	XL	BSW	500 AA/A	7.5 - 9.0	9.8 on 8.0	27.7	30.5	12.9		11.6	1,874	50
2169903	255/40R19	100W	XL	BSW	500 AA/A	8.5 - 10.0	10.5 on 9.0	27.1	29.9	12.6		11.6	1,764	50

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall

ECSTA 4X II

Premium All-Weather Performance

Class: Ultra-High Performance All-Season

The Ecsta 4X II was created for those who are driven to drive. Unrivaled on wet pavement, its advanced design and compound deliver exceptional handling in any condition — in the style and comfort worthy of the finest luxury sedans.

Benefits & Technology

- Unmatched handling on wet and dry roads comes from an exceptionally stiff tread block that holds its shape around tight curves and corners
- Superb handling on cold, wet pavement results from a tread design that expels snow and water quickly
- Smooth, quiet comfort is greatly enhanced by a unique noise-canceling tread that reduces road harmonics and vibration
- Excellent cold traction results from a unique rubber compound engineered to run at cooler temperatures and stay flexible in the cold
- Outstanding traction due to an oversized footprint, optimized for maximum road contact

Tread Classification: Asymmetric

UTQG 420 AA/A | V & W RATED

Performance Ratings

DRY	8
WET	8.5
NOISE	8
WEAR	7
COMFORT	8.5
SNOW	7
OFF-ROAD	N/A

Numeric ratings reflect how a tire compares to other Kumho tires of similar type. A rating of 10 indicates that the tire is designed to perform extremely well under those conditions. A rating less than 4 or N/A (not applicable) indicates that the tire is not designed to excel in that area. 10 = Extremely Well, 5 = Acceptable, 1 = Poor.



Sample Vehicles

Audi A4 & TT; BMW 3 & 5 Series; Chevrolet Camaro; Ford Mustang; Mini Cooper S; Nissan 370Z; Scion FR-S

Comparable Competitor Products

Bridgestone Potenza RE970AS Pole Position; Continental ExtremeContact DWS; Michelin Pilot Sport A/S Plus; Pirelli P Zero Nero All Season

AVAILABLE TIRE SIZES ON NEXT PAGE.



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2185143	185/55R15	82V	-	BSW	420 AA/A	5.0 - 6.5	7.6 on 6.0	23.0	17.6	10.6	903	10.7	1,047	51
2185163	195/55R15	85V	-	BSW	420 AA/A	5.5 - 7.0	7.9 on 6.0	23.4	17.7	10.8	888	10.7	1,135	51
2185223	205/55R15	88V	-	BSW	420 AA/A	5.5 - 7.5	8.4 on 6.5	23.9	19.8	10.9	869	10.7	1,235	51
2202443	195/50ZR16	84V	-	BSW	420 AA/A	5.5 - 7.0	7.9 on 6.0	23.7	17.8	10.9	877	10.7	1,102	51
2185173	195/55R16	87V	-	BSW	420 AA/A	5.5 - 7.0	7.9 on 6.0	24.4	20.1	11.3	851	10.7	1,201	51
2185203	205/50ZR16	87W	-	BSW	420 AA/A	5.5 - 7.5	8.4 on 6.5	24.1	19.7	11.1	862	10.7	1,201	51
2185243	205/55ZR16	91W	-	BSW	420 AA/A	5.5 - 7.5	8.4 on 6.5	24.9	20.1	11.5	834	10.7	1,356	51
2185293	215/55ZR16	93W	-	BSW	420 AA/A	6.0 - 7.5	8.9 on 7.0	25.3	21.9	11.6	821	10.7	1,433	51
2185343	225/50ZR16	92W	-	BSW	420 AA/A	6.0 - 8.0	9.2 on 7.0	24.9	22.0	11.5	834	10.7	1,389	51
2185373	225/55ZR16	95W	-	BSW	420 AA/A	6.0 - 8.0	9.2 on 7.0	25.7	22.1	11.8	808	10.7	1,521	51
2185183	205/40ZR17	84W	XL/RF	BSW	420 AA/A	7.0 - 8.0	8.3 on 7.5	23.5	17.6	11.0	884	10.7	1,102	50
2185193	205/45ZR17	88W	XL/RF	BSW	420 AA/A	6.5 - 7.5	8.1 on 7.0	24.3	20.5	11.3	855	10.7	1,235	50
2185213	205/50ZR17	93W	XL/RF	BSW	420 AA/A	5.5 - 7.5	8.4 on 6.5	25.1	20.6	11.7	828	10.7	1,433	50
2185253	215/45ZR17	91W	XL/RF	BSW	420 AA/A	7.0 - 8.0	8.4 on 7.0	24.6	20.8	11.5	844	10.7	1,356	50
2185273	215/50ZR17	95W	XL/RF	BSW	420 AA/A	6.0 - 7.5	8.9 on 7.0	25.5	24.1	11.8	815	10.7	1,521	50
2185283	215/55R17	94V	-	BSW	420 AA/A	6.0 - 7.5	8.9 on 7.0	26.3	22.8	12.1	790	10.7	1,477	51
2185333	225/45ZR17	94W	XL/RF	BSW	420 AA/A	7.0 - 8.5	8.9 on 7.5	25.0	24.2	11.6	831	10.7	1,477	50
2185353	225/50ZR17	98W	XL/RF	BSW	420 AA/A	6.0 - 8.0	9.2 on 7.0	25.9	25.3	12.0	802	10.7	1,653	50
2185383	225/55ZR17	97W	-	BSW	420 AA/A	6.0 - 8.0	9.2 on 7.0	26.8	25.6	12.3	775	10.7	1,609	51
2185403	235/45ZR17	97W	XL/RF	BSW	420 AA/A	7.5 - 9.0	9.3 on 8.0	25.4	25.3	11.8	818	10.7	1,609	50
2185423	235/50ZR17	96W	-	BSW	420 AA/A	6.5 - 8.5	9.6 on 7.5	26.3	26.5	12.1	790	10.7	1,565	51
2185443	235/55ZR17	99W	-	BSW	420 AA/A	6.5 - 8.5	9.6 on 7.5	27.2	28.7	12.5	764	10.7	1,709	51
2185463	245/40ZR17	91W	-	BSW	420 AA/A	8.0 - 9.5	9.8 on 8.5	24.7	24.3	11.5	841	10.7	1,356	51
2185503	245/45ZR17	95W	-	BSW	420 AA/A	7.5 - 9.0	9.6 on 8.0	25.7	26.9	11.9	808	10.7	1,521	51
2185543	245/50ZR17	99W	-	BSW	420 AA/A	7.0 - 8.5	10.0 on 7.5	26.7	26.5	12.3	778	10.7	1,709	51
2185593	255/40ZR17	94W	-	BSW	420 AA/A	8.5 - 10.0	10.2 on 9.0	25.0	26.5	11.7	831	10.7	1,477	51
2185663	275/40ZR17	98W	-	BSW	420 AA/A	9.0 - 11.0	10.9 on 9.5	25.7	28.7	11.9	808	10.7	1,653	51
2185233	215/40ZR18	89W	XL/RF	BSW	420 AA/A	7.0 - 8.5	8.6 on 7.5	24.8	20.4	11.7	802	10.7	1,279	50
2185263	215/45ZR18	93W	XL/RF	BSW	420 AA/A	7.0 - 8.0	8.4 on 7.0	25.6	24.3	11.9	811	10.7	1,433	50
2185303	225/40ZR18	92W	XL/RF	BSW	420 AA/A	7.5 - 9.0	9.1 on 8.0	25.1	21.2	11.8	828	10.7	1,389	50
2117553	225/45ZR18	95W	XL/RF	BSW	420 AA/A	7.0 - 8.5	8.9 on 7.5	25.9	24.8	12.1	802	10.7	1,521	50
2185363	225/50ZR18	95W	-	BSW	420 AA/A	6.0 - 8.0	9.2 on 7.0	26.9	23.8	12.5	772	10.7	1,521	51



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2185393	235/40ZR18	95W	XL/RF	BSW	420 AA/A	8.0 - 9.5	9.5 on 8.5	25.4	25.6	11.9	818	10.7	1,521	50
2185413	235/45ZR18	98W	XL/RF	BSW	420 AA/A	7.5 - 9.0	9.3 on 8.0	26.3	26.5	12.2	790	10.7	1,653	50
2185433	235/50ZR18	97W	-	BSW	420 AA/A	6.5 - 8.5	9.6 on 7.5	27.3	26.5	12.6	761	10.7	1,609	51
2185473	245/40ZR18	97W	XL/RF	BSW	420 AA/A	8.0 - 9.5	9.8 on 8.5	25.7	27.1	12.0	808	10.7	1,609	50
2185513	245/45ZR18	100W	XL/RF	BSW	420 AA/A	7.5 - 9.0	9.6 on 8.0	26.7	28.7	12.4	778	10.7	1,764	50
2185553	245/50ZR18	100W	-	BSW	420 AA/A	7.0 - 8.5	10.0 on 7.5	27.7	28.8	12.8	750	10.7	1,764	51
2185563	255/35ZR18	94W	XL/RF	BSW	420 AA/A	8.5 - 10.0	10.2 on 9.0	25.0	26.5	11.7	831	10.7	1,477	50
2185603	255/40ZR18	99W	XL/RF	BSW	420 AA/A	8.5 - 10.0	10.2 on 9.0	26.0	27.3	12.1	799	10.7	1,709	50
2185623	255/45ZR18	103W	XL/RF	BSW	420 AA/A	8.0 - 9.5	10.0 on 8.5	27.0	29.0	12.5	814	10.7	1,929	50
2185643	265/35ZR18	97W	XL/RF	BSW	420 AA/A	9.0 - 10.5	10.7 on 9.5	25.3	26.5	11.9	821	10.7	1,609	50
2185653	275/35ZR18	95W	-	BSW	420 AA/A	9.0 - 11.0	10.9 on 9.5	25.6	28.7	11.9	811	10.7	1,521	51
2185313	225/40ZR19	93W	XL/RF	BSW	420 AA/A	7.5 - 9.0	9.1 on 8.0	26.1	25.2	12.3	811	10.7	1,433	50
2185493	245/40ZR19	98W	-	BSW	420 AA/A	8.0 - 9.5	9.8 on 8.5	26.7	27.3	12.5	778	10.7	1,477	51
2185523	245/45ZR19	102W	XL/RF	BSW	420 AA/A	7.5 - 9.0	9.6 on 8.0	27.7	29.1	12.9	808	10.7	1,874	50
2185573	255/35ZR19	96W	XL/RF	BSW	420 AA/A	8.5 - 10.0	10.2 on 9.0	26.0	27.6	12.2	799	10.7	1,565	50
2185613	255/40ZR19	100W	XL/RF	BSW	420 AA/A	8.5 - 10.0	10.2 on 9.0	27.0	29.8	12.6	769	10.7	1,764	50
2185673	275/40ZR19	105W	XL/RF	BSW	420 AA/A	9.0 - 11.0	10.9 on 9.5	27.7	32.6	12.9	750	10.7	2,039	50
2185453	245/35ZR20	95W	XL/RF	BSW	420 AA/A	8.0 - 9.5	9.8 on 8.5	26.8	27.3	12.6	775	10.7	1,521	50
2185533	245/45ZR20	99W	-	BSW	420 AA/A	7.5 - 9.0	9.6 on 8.0	28.7	30.9	13.4	724	10.7	1,709	51
2185583	255/35ZR20	97W	XL/RF	BSW	420 AA/A	8.5 - 10.0	10.2 on 9.0	27.0	30.0	12.7	769	10.7	1,609	50
2185633	255/45ZR20	105W	XL/RF	BSW	420 AA/A	8.0 - 9.5	10.0 on 8.5	29.1	33.1	13.5	714	10.7	2,039	50

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall

ECSTA PA31

A New Level of High Mileage, High-Performance Engineering

Class: High-Performance All-Season

Designed, engineered and produced specifically for today's growing number of mid-level sports sedans and coupes, the Ecsta PA31 delivers outstanding street performance and excellent mileage. Wet and dry handling worthy of the high-performance moniker while excelling in light snow conditions, the Ecsta PA31 distinguishes itself with an unparalleled combination of comfort, low noise, high performance and long mileage.

Benefits & Technology

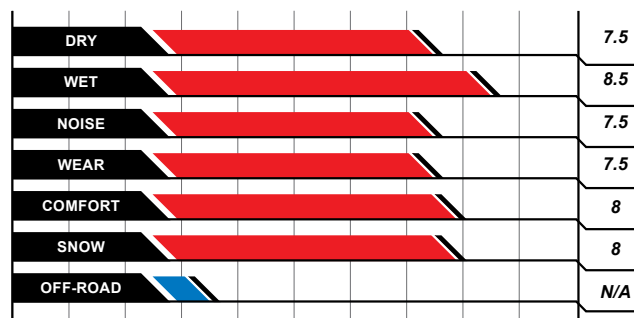
- Heavy sipe density and large cross grooves expel water quickly, improving snow and wet weather handling
- The directional tread design is shaped to avoid uneven wear and delivers excellent steering, cornering and braking in all-season conditions
- The variable pitch shoulder blocks reduce road noise throughout the life of the tire



Tread Classification: Directional

UTQG 500 A/A | V RATED

Performance Ratings



Numeric ratings reflect how a tire compares to other Kumho tires of similar type. A rating of 10 indicates that the tire is designed to perform extremely well under those conditions. A rating less than 4 or N/A (not applicable) indicates that the tire is not designed to excel in that area. 10 = Extremely Well, 5 = Acceptable, 1 = Poor.



Sample Vehicles

BMW 128i; Chevy Cruze, Malibu; Chrysler 200; Dodge Avenger; Ford Focus, Fusion; Honda Civic, CRZ; Hyundai Veloster; Mini Cooper; Scion FR-S; Subaru BRZ, Impreza

Comparable Competitor Products

Bridgestone Potenza GO19 Grid; Michelin Pilot Exalto A/S; Firestone Precision Sport; Hankook V2 Concept H437; Yokohama AVID ENVigor

AVAILABLE TIRE SIZES ON NEXT PAGE.



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2169933	175/65R15	84V	-	BSW	500 A/A	5.0 - 6.0	7.0 on 5.0	24.0	15.3	11.0	866	11.0	1,102	50
2169913	185/55R15	82V	-	BSW	500 A/A	5.0 - 6.5	7.6 on 6.0	23.0	17.3	10.6	902	11.0	1,047	50
2160833	195/50R15	82V	-	BSW	500 A/A	5.5 - 7.0	7.9 on 6.0	22.7	17.8	10.5	915	10.5	1,047	51
2161763	195/55R15	85V	-	BSW	500 A/A	5.5 - 7.0	7.9 on 6.0	23.4	18.7	10.8	888	10.5	1,135	51
2169923	205/50R15	86V	-	BSW	500 A/A	5.5 - 7.5	8.4 on 6.5	23.1	17.8	10.7	899	11.0	1,168	50
2161753	185/55R16	83V	-	BSW	500 A/A	5.0 - 6.5	7.6 on 6.0	24.0	19.2	11.1	866	10.5	1,074	51
2161843	195/55R16	87V	-	BSW	500 A/A	5.5 - 7.0	7.9 on 6.0	24.4	19.6	11.3	851	10.5	1,201	51
2169943	195/60R16	89V	-	BSW	500 A/A	5.5 - 7.0	7.9 on 6.0	25.2	19.7	11.6	824	11.0	1,279	50
2160843	205/50R16	91V	XL	BSW	500 A/A	5.5 - 7.5	8.4 on 6.5	24.1	20.1	11.2	862	10.5	1,356	50
2161773	205/55R16	91V	-	BSW	500 A/A	5.5 - 7.5	8.4 on 6.5	24.9	21.0	11.5	834	10.5	1,356	51
2161833	215/55R16	97V	XL	BSW	500 A/A	6.0 - 7.5	8.9 on 7.0	25.3	23.7	11.6	821	10.5	1,609	50
2163973	215/60R16	95V	-	BSW	500 A/A	6.0 - 7.5	8.7 on 6.5	26.1	24.5	12.0	796	10.5	1,521	51
2161543	225/50R16	92V	-	BSW	500 A/A	6.0 - 8.0	9.2 on 7.0	24.9	22.6	11.5	834	10.5	1,389	51
2161343	225/55R16	99V	XL	BSW	500 A/A	6.0 - 8.0	9.2 on 7.0	25.7	25.4	11.8	808	10.5	1,709	50
2161523	235/60R16	100V	-	BSW	500 A/A	6.5 - 8.5	9.4 on 7.0	27.1	27.4	12.3	767	10.5	1,764	51
2160953	245/50R16	97V	-	BSW	500 A/A	7.0 - 8.5	10.0 on 7.5	25.7	26.0	11.8	808	10.5	1,609	51
2161003	205/45R17	84V	-	BSW	500 A/A	6.5 - 7.5	8.1 on 7.0	24.3	20.0	11.3	855	10.5	1,102	51
2160983	205/50R17	93V	XL	BSW	500 A/A	5.5 - 7.5	8.4 on 6.5	25.1	21.9	11.7	828	11.0	1,433	50
2160943	215/45R17	91V	XL	BSW	500 A/A	7.0 - 8.0	8.4 on 7.0	24.6	21.2	11.5	844	10.5	1,356	50
2161013	215/50R17	95V	XL	BSW	500 A/A	6.0 - 7.5	8.9 on 7.0	25.5	23.9	11.8	815	10.5	1,521	50
2160993	215/55R17	94V	-	BSW	500 A/A	6.0 - 7.5	8.9 on 7.0	26.3	22.6	12.1	790	10.5	1,477	51
2161793	225/45R17	94V	XL	BSW	500 A/A	7.0 - 8.5	8.9 on 7.5	25.0	23.5	11.6	831	10.5	1,477	50
2161553	225/50R17	94V	-	BSW	500 A/A	6.0 - 8.0	9.2 on 7.0	25.9	23.7	12.0	802	10.5	1,477	51
2161363	225/55R17	97V	-	BSW	500 A/A	6.0 - 8.0	9.2 on 7.0	26.8	25.9	12.3	775	10.5	1,609	51
2160973	235/45R17	97V	XL	BSW	500 A/A	7.5 - 9.0	9.3 on 8.0	25.4	25.2	11.8	818	10.5	1,609	50
2161383	235/50R17	96V	-	BSW	500 A/A	6.5 - 8.5	9.6 on 7.5	26.3	26.9	12.1	790	10.5	1,565	51
2161533	235/55R17	99V	-	BSW	500 A/A	6.5 - 8.5	9.6 on 7.5	27.2	28.1	12.5	764	11.0	1,709	51
2160963	245/45R17	99V	XL	BSW	500 A/A	7.5 - 9.0	9.6 on 8.0	25.7	26.4	11.9	808	10.5	1,709	50
2161783	215/35R18	84V	XL	BSW	500 A/A	7.0 - 8.5	8.6 on 7.5	23.9	19.8	11.3	869	10.5	1,102	50
2161333	215/45R18	89V	-	BSW	500 A/A	7.0 - 8.0	8.4 on 7.0	25.6	21.9	12.0	811	10.5	1,279	51
2161353	215/55R18	95V	-	BSW	500 A/A	6.0 - 7.5	8.9 on 7.0	27.3	23.8	12.6	761	10.5	1,521	51
2161413	225/40R18	92V	XL	BSW	500 A/A	7.5 - 9.0	9.1 on 8.0	25.1	22.8	11.8	828	10.5	1,389	50

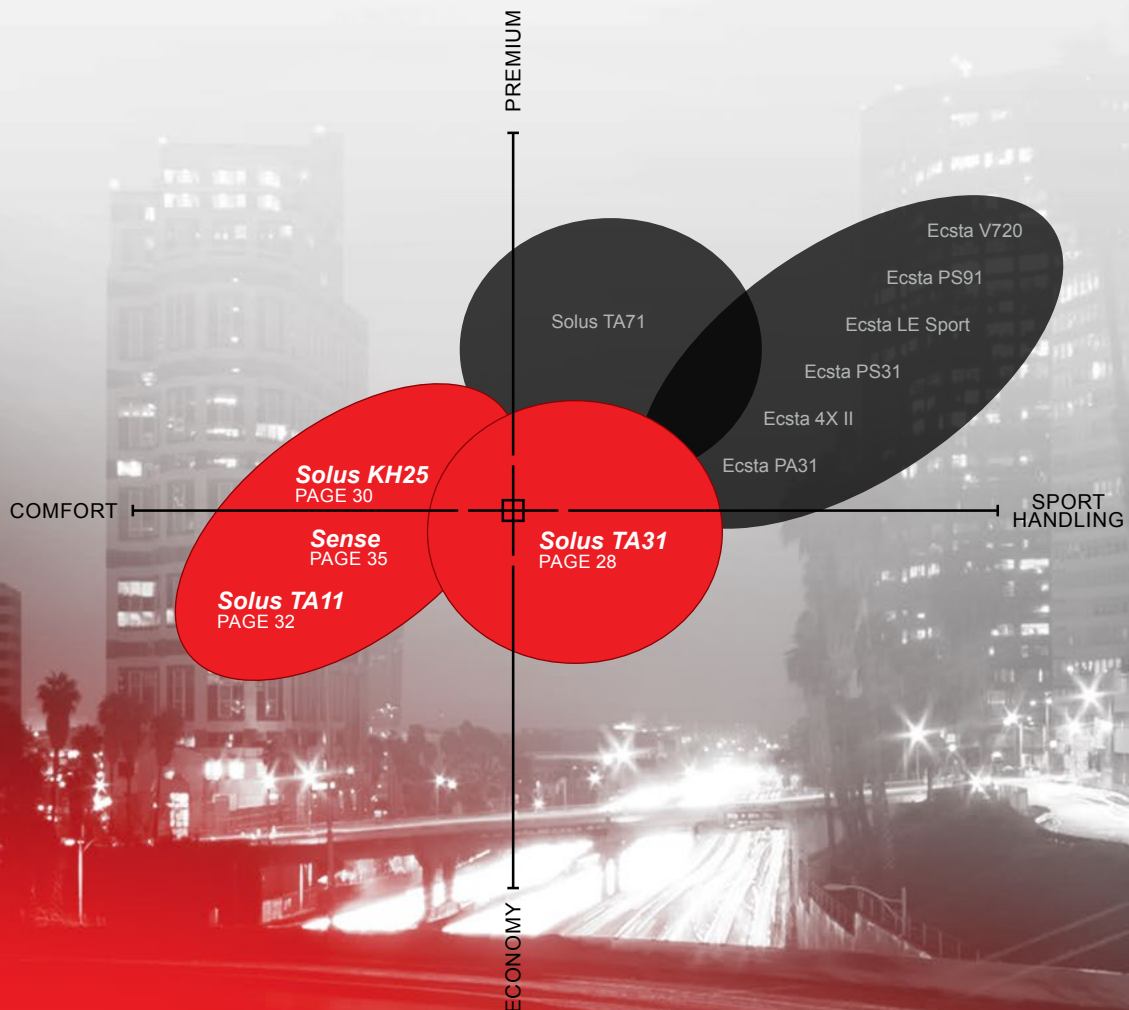


Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2161393	225/45R18	95V	XL	BSW	500 A/A	7.0 - 8.5	8.9 on 7.5	25.9	25.2	12.1	802	10.5	1,521	50
2161373	225/50R18	95V	-	BSW	500 A/A	6.0 - 8.0	9.2 on 7.0	26.9	27.0	12.5	772	10.5	1,521	51
2161423	235/40R18	95V	XL	BSW	500 A/A	8.0 - 9.5	9.5 on 8.5	25.4	25.6	11.9	818	10.5	1,521	50
2161403	235/50R18	97V	-	BSW	500 A/A	6.5 - 8.5	9.6 on 7.5	27.3	27.4	12.6	761	10.5	1,609	51
2169953	235/55R18	100V	-	BSW	500 A/A	6.5 - 8.5	9.6 on 7.5	28.1	30.2	13.0	738	11.0	1,764	50
2161803	245/40R18	97V	XL	BSW	500 A/A	8.0 - 9.5	9.8 on 8.5	25.7	27.6	12.0	808	10.5	1,609	50
2169963	245/55R18	103V	-	BSW	500 A/A	7.0 - 8.5	10.0 on 7.5	28.6	29.0	13.1	726	11.0	1,929	50

XL - Extra Load/Reinforced Tire

PASSENGER

Kumho Tire's line of touring tires delivers an impressive blend of ride comfort, reliable traction, low noise and long wear — making these tires an exceptional value. Available low-profile sizes are perfectly suited to fit today's touring sedans. Expect crisp handling and year-round traction.





SOLUS TA31

All-Weather High Performance in Comfort and Style

Class: High-Performance Touring, All-Season

Designed for all-season performance with an emphasis on quiet comfort. The TA31 features a compound balanced for mileage and performance, with a tread pattern tuned to all-weather grip.

Benefits & Technology

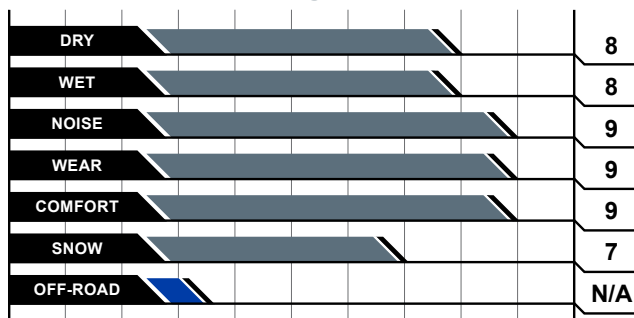
- Wide shoulder blocks create a soft contact edge with the road for better traction and steering response and better grip around corners. Excellent performance in wet conditions, the four-groove tread design also reduces hydroplaning
- Siped, four-groove tread creates gripping surfaces that also evacuate water into the central grooves, away from the tire
- Symmetric tread pattern lowers rolling resistance reducing vibration, noise and fuel consumption



Tread Classification: Symmetric

UTQG 480 A/A, 500 A/A | T, H & V RATED

Performance Ratings



Numeric ratings reflect how a tire compares to other Kumho tires of similar type. A rating of 10 indicates that the tire is designed to perform extremely well under those conditions. A rating less than 4 or N/A (not applicable) indicates that the tire is not designed to excel in that area. 10 = Extremely Well, 5 = Acceptable, 1 = Poor.

Sample Vehicles

Acura RSX, TL, TSX; BMW 128i, 325i, 528i, X3; Cadillac CTS; Chevy Impala, Malibu; Ford Fusion; Honda Accord, Civic; Hyundai Genesis, Accent; Infiniti G35, G37; Nissan Altima, Maxima; Subaru Legacy, Outback; Toyota Camry, Avalon; Volvo S40, S80

Comparable Competitor Products

Bridgestone Ecopia EP422; BFG Advantage TA; Goodyear Eagle LS-2; Michelin Primacy MXV4

AVAILABLE TIRE SIZES ON NEXT PAGE.



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2170283	185/65R14	86H	-	BSW	500 A/A	5.0 - 6.5	7.4 on 5.5	23.5	16.3	10.7	885	10.0	1,168	44
2170333	185/65R15	88H	-	BSW	500 A/A	5.0 - 6.5	7.4 on 5.5	24.4	17.4	11.2	850	10.0	1,235	44
2170253	195/55R15	85H	-	BSW	500 A/A	5.5 - 7.0	7.9 on 6.0	23.4	17.6	10.8	887	10.0	1,135	44
2170263	195/60R15	88H	-	BSW	500 A/A	5.5 - 7.0	7.9 on 6.0	24.2	17.6	11.1	858	10.0	1,235	44
2170273	195/65R15	91H	-	BSW	500 A/A	5.5 - 7.0	7.9 on 6.0	25.0	18.5	11.4	831	10.0	1,356	44
2170233	205/60R15	91H	-	BSW	500 A/A	5.5 - 7.5	8.2 on 6.0	24.7	19.5	11.3	842	10.0	1,356	44
2170243	205/65R15	94H	-	BSW	500 A/A	5.5 - 7.5	8.2 on 6.0	25.5	20.1	11.6	816	10.0	1,477	44
2170183	205/55R16	91H	-	BSW	500 A/A	5.5 - 7.5	8.4 on 6.5	24.9	20.6	11.5	835	10.0	1,356	51
2170193	205/60R16	92H	-	BSW	500 A/A	5.5 - 7.5	8.2 on 6.0	25.7	20	11.8	-	10.0	1,389	44
2171893	205/65R16	95H	-	BSW	500 A/A	5.5 - 7.5	8.2 on 6.0	26.5	21.9	12.1	-	10.0	1,521	44
2170163	215/55R16	97H	XL	BSW	500 A/A	6.0 - 7.5	8.9 on 7.0	25.3	23.9	11.6	822	10.0	1,609	50
2170173	215/60R16	95H	-	BSW	500 A/A	6.0 - 7.5	8.7 on 6.5	26.1	22	12.0	795	10.0	1,521	44
2176673	215/65R16	98H	-	BSW	500 A/A	6.0 - 7.5	8.7 on 6.5	27.0	23.2	12.3	769	10.0	1,653	44
2170143	225/55R16	99H	XL	BSW	500 A/A	6.0 - 8.0	9.2 on 7.0	25.7	25.1	11.8	807	10.0	1,709	50
2170153	225/60R16	98H	-	BSW	500 A/A	6.0 - 8.0	9.0 on 6.5	26.6	24.1	12.1	781	10.0	1,653	44
2176683	225/65R16	100T	-	BSW	500 A/A	6.0 - 8.0	9.0 on 6.5	27.5	26.4	12.5	756	10.0	1,764	44
2170133	235/55R16	98H	-	BSW	500 A/A	6.5 - 8.5	9.6 on 7.5	26.1	25.5	12.0	795	10.0	1,653	51
2177333	235/60R16	100H	-	BSW	500 A/A	6.5 - 8.5	9.4 on 7.0	27.1	26	12.3	767	10.0	1,764	44
2170123	205/50R17	93V	XL	BSW	500 A/A	5.5 - 7.5	8.4 on 6.5	25.1	22.4	11.7	827	10.0	1,433	50
2170103	215/50R17	95V	XL	BSW	500 A/A	6.0 - 7.5	8.9 on 7.0	25.5	23.7	11.8	814	10.0	1,521	50
2175593	215/55R17	94V	-	BSW	500 A/A	6.0 - 7.5	8.9 on 7.0	26.3	22.7	12.1	-	10.0	1,477	44
2170073	225/50R17	98V	XL	BSW	500 A/A	6.0 - 8.0	9.2 on 7.0	25.9	26.2	12.0	802	10.0	1,653	50
2176213	225/55R17	97V	-	BSW	500 A/A	6.0 - 8.0	9.2 on 7.0	26.8	25	12.3	-	10.0	1,609	44
2176703	225/60R17	99H	-	BSW	500 A/A	6.0 - 8.0	9.0 on 6.5	27.6	25.8	12.6	752	10.0	1,709	44
2170053	235/55R17	103V	XL	BSW	500 A/A	6.5 - 8.5	9.6 on 7.5	27.2	28.7	12.5	765	10.0	1,929	50
2170023	225/45R18	95V	XL	BSW	500 A/A	7.0 - 8.5	8.9 on 7.5	25.9	26	12.1	-	10.0	1,521	50
2172003	235/45R18	94V	-	BSW	480 A/A	7.5 - 9.0	9.1 on 7.5	26.3	26.5	12.5	790	10.0	1,477	44
2170003	235/50R18	101V	XL	BSW	500 A/A	6.5 - 8.5	9.6 on 7.5	27.3	28.1	12.6	761	10.0	1,819	50

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall

SOLUS KH25

High-Performance Touring Tire for Mid-Size Vehicles

Class: Performance Touring All-Season

The Solus KH25 is a high-performance touring tire for sporty sedans and mid-level family vehicles. Combining quick steering response with the touring attributes of low noise, ride comfort and all-season traction, the Solus KH25 can be found on a variety of vehicles as original equipment such as the Ford Fiesta, Hyundai Sonata and Hyundai Veloster. Designed to deliver traction and mileage, and with greater handling, the Solus KH25 is the ideal choice for today's family cars.

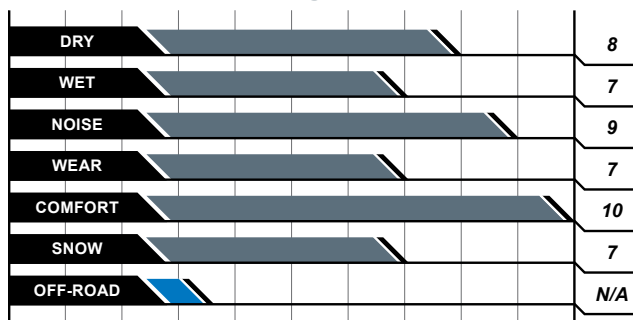
Benefits & Technology

- Outstanding wet and dry grip driven by advanced carbon tread compound
- Improved handling and steering response optimized by Kumho Tire's proprietary ESCOT casing technology
- Maximized all-season performance, confidence engineered with full-depth tread sipes effective for the life of the tire

Tread Classification: Symmetric

UTQG 480 A/A | T, H & V RATED

Performance Ratings



Numeric ratings reflect how a tire compares to other Kumho tires of similar type. A rating of 10 indicates that the tire is designed to perform extremely well under those conditions. A rating less than 4 or N/A (not applicable) indicates that the tire is not designed to excel in that area. 10 = Extremely Well, 5 = Acceptable, 1 = Poor.



Sample Vehicles

Dodge Dart; Ford Fiesta; Hyundai Sonata, Veloster; Kia Rio

Comparable Competitor Products

Cooper Trendsetter SE; Hankook H724; Goodyear Integrity; Toyo Extensa A/S; Yokohama AVID Touring-S

AVAILABLE TIRE SIZES ON NEXT PAGE.



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2134313	P185/60R15	84H	-	BSW	480 A/A	5.5 - 6.5	7.4 on 5.5	23.7	17.7	11.0	880	10.0	1,102	44
2113363	185/65R15	88T	-	BSW	480 A/A	5.0 - 6.5	7.4 on 5.5	24.5	18.7	11.5	850	10.0	1,235	44
2134633	P185/65R15	86T	-	BSW	480 A/A	5.0 - 6.5	7.4 on 5.5	24.5	17.6	11.5	850	10.0	1,168	44
2113373	195/65R15	91T	-	BSW	480 A/A	5.5 - 7.0	7.9 on 6.0	25.0	20.0	11.4	831	10.5	1,356	44
2157843	P195/65R15	89T	-	BSW	480 A/A	5.5 - 7.0	7.9 on 6.0	25.0	17.6	11.6	840	9.5	1,279	44
2141143	P195/50R16	83H	-	BSW	480 A/A	5.0 - 7.0	7.9 on 6.0	23.7	18.4	11.1	877	10.0	1,074	44
2129403	195/50R16	84H	-	BSW	480 A/A	5.5 - 7.0	7.9 on 6.0	23.7	19.8	11.1	877	10.0	1,102	44
2141093	205/55R16	91H	-	BSW	480 A/A	5.5 - 7.5	8.4 on 6.5	24.9	21.2	12.1	835	10.0	1,356	44
2153653	205/55R16	91H	-	BSW	480 A/A	5.5 - 7.5	8.4 on 6.5	24.9	20.3	12.1	835	10.0	1,356	44
2157853	P205/55R16	89H	-	BSW	480 A/A	5.5 - 7.5	8.4 on 6.5	24.9	19.0	11.7	840	9.5	1,279	44
2141973	205/60R16	92H	-	BSW	480 A/A	5.5 - 7.5	8.2 on 6.0	25.7	20.1	11.8	808	10.5	1,389	44
2127403	P205/65R16	94H	-	BSW	480 A/A	5.5 - 7.5	8.2 on 6.0	26.5	22.9	12.1	785	10.0	1,477	44
2113473	P225/60R16	97H	-	BSW	480 A/A	6.0 - 8.0	8.8 on 6.5	26.6	24.4	12.1	781	10.0	1,609	44
2130243	235/60R16	100H	-	BSW	480 A/A	6.5 - 8.5	9.4 on 7.0	27.1	26.4	12.3	767	10.5	1,764	51
2141853	215/45R17	87H	-	BSW	480 A/A	7.0 - 8.0	8.4 on 7.0	24.6	22.8	11.8	844	10.0	1,202	44
2116043	P215/55R17	93V	-	BSW	480 A/A	6.0 - 7.5	8.9 on 7.0	26.3	24.1	12.1	790	10.0	1,433	44
2127413	P215/55R17	93V	-	BSW	480 A/A	6.0 - 7.5	8.9 on 7.0	26.3	22.9	12.1	790	10.0	1,433	44
2141103	225/45R17	91H	-	BSW	480 A/A	7.0 - 8.5	8.8 on 7.5	25.0	22.0	11.7	832	10.5	1,356	44
2158003	225/45R17	91V	-	BSW	480 A/A	7.0 - 8.5	8.6 on 7.0	25.0	22.3	11.7	836	10.0	1,356	44
2127523	P225/55R17	95V	-	BSW	480 A/A	6.5 - 8.5	9.2 on 7.0	27.2	25.9	12.4	764	10.0	1,653	44
2113483	P235/55R17	98V	-	BSW	480 A/A	6.5 - 8.5	9.6 on 7.5	27.2	27.7	12.5	764	10.0	1,653	44
2141133	215/40R18	85V	-	BSW	480 A/A	7.0 - 8.5	8.6 on 7.5	24.8	21.5	9.7	839	10.0	1,135	44
2103883	P235/45R18	94V	-	BSW	480 A/A	7.5 - 9.0	9.3 on 8.0	26.3	27.3	12.2	790	10.5	1,477	44

BSW - Black Sidewall

SOLUS TA11

All-Season Comfort, Long-Lasting Value

Class: Touring All-Season

An exceptionally comfortable all-season performance tire, with a tread optimized for wet traction and a compound engineered to last. The rounded shoulder design keeps a continual contact with the road for excellent cornering and tight, responsive steering on the highway.

Benefits & Technology

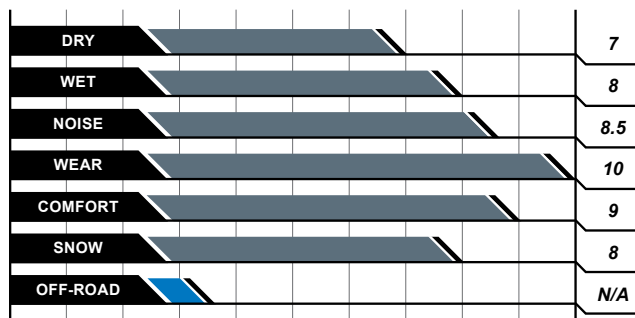
- Engineered for class-leading comfort and shock absorption with Kumho's exclusive Escot casing
- Excellent fuel economy and a long tread life — the result of a dual silicone compound engineered to cool quickly. It runs colder, lasts longer, and improves fuel efficiency.
- Exceptional grip and stability in heavy rain and snow. Four, deep center grooves channel water away quickly.
- Engineered for traction on ice, with tiny waffle sipes creating thousands of small gripping edges.



Tread Classification: Asymmetric

UTQG 600 A/B, 700 A/B | T RATED

Performance Ratings



Numeric ratings reflect how a tire compares to other Kumho tires of similar type. A rating of 10 indicates that the tire is designed to perform extremely well under those conditions. A rating less than 4 or N/A (not applicable) indicates that the tire is not designed to excel in that area. 10 = Extremely Well, 5 = Acceptable, 1 = Poor.

Sample Vehicles

Ford Focus; Honda Accord; Hyundai Sonata; Lincoln Town Car; Mazda 6; Toyota Camry, Corolla, Sienna

Comparable Competitor Products

Goodyear Integrity & Assurance; Michelin Defender; Pirelli P4 Four Seasons; Yokohama AVID Touring-S

AVAILABLE TIRE SIZES ON NEXT PAGE.



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2182463	155/80R13	79T	-	BSW	700 A/B	4.0 - 5.0	6.2 on 4.5	22.8	14.1	10.3	10.1	963	44
2182503	175/70R13	82T	-	BSW	700 A/B	4.5 - 6.0	7.0 on 5.0	22.7	14.5	10.3	10.5	1,047	44
2182583	185/70R13	86T	-	BSW	700 A/B	4.5 - 6.0	7.4 on 5.5	23.2	15.3	10.5	10.8	1,168	44
2182483	175/65R14	82T	-	BSW	700 A/B	5.0 - 6.0	7.0 on 5.0	23.0	15.6	10.5	10.5	1,047	44
2182543	185/65R14	86T	-	BSW	700 A/B	5.0 - 6.5	7.4 on 5.5	23.5	16.6	10.7	10.5	1,168	44
2182603	185/70R14	88T	-	BSW	700 A/B	4.5 - 6.0	7.4 on 5.5	24.3	16.7	11.0	10.8	1,235	44
2182663	195/70R14	91T	-	BSW	700 A/B	5.0 - 6.5	7.9 on 6.0	24.8	18.3	11.2	10.8	1,356	44
2182683	195/75R14	92T	-	BSW	600 A/B	5.0 - 6.5	7.7 on 5.5	25.5	21.0	11.5	10.8	1,389	44
2182803	205/75R14	95T	-	BSW	600 A/B	5.0 - 7.0	8.0 on 5.5	26.1	23.1	11.7	10.8	1,521	44
2182963	215/70R14	96T	-	BSW	600 A/B	5.5 - 7.0	8.7 on 6.5	25.9	23.7	11.7	10.8	1,565	44
2182523	185/60R15	84T	-	BSW	700 A/B	5.0 - 6.5	7.4 on 5.5	23.7	17.2	10.9	10.5	1,102	44
2182563	185/65R15	88T	-	BSW	700 A/B	5.0 - 6.5	7.4 on 5.5	24.4	17.6	11.2	10.5	1,235	44
2182623	195/60R15	88T	-	BSW	700 A/B	5.5 - 7.0	7.9 on 6.0	24.2	18.2	11.1	10.5	1,235	44
2182643	195/65R15	91T	-	BSW	700 A/B	5.5 - 7.0	7.9 on 6.0	25.0	18.2	11.4	10.5	1,356	44
2182723	205/60R15	91T	-	BSW	700 A/B	5.5 - 7.5	8.2 on 6.0	24.7	19.8	11.3	10.8	1,356	44
2182763	205/65R15	94T	-	BSW	700 A/B	5.5 - 7.5	8.2 on 6.0	25.5	20.5	11.6	10.8	1,477	44
2182783	205/70R15	96T	-	BSW	600 A/B	5.0 - 7.0	8.2 on 6.0	26.3	23.8	11.9	10.8	1,565	44
2182823	205/75R15	97T	-	BSW	600 A/B	5.0 - 7.0	8.0 on 5.5	27.1	24.9	12.2	10.8	1,609	44
2182843	215/60R15	94T	-	BSW	700 A/B	6.0 - 7.5	8.7 on 6.5	25.2	22.3	11.5	10.8	1,477	44
2182903	215/65R15	96T	-	BSW	700 A/B	6.0 - 7.5	8.7 on 6.5	26.0	23.8	11.8	10.8	1,565	44
2182983	215/70R15	98T	-	BSW	600 A/B	5.5 - 7.0	8.7 on 6.5	26.9	25.7	12.1	10.8	1,653	44
2183023	215/75R15	100T	-	BSW	600 A/B	5.5 - 7.0	8.5 on 6.0	27.7	25.9	12.4	10.8	1,764	44
2183123	225/70R15	100T	-	BSW	600 A/B	6.0 - 7.5	9.0 on 6.5	27.4	28.5	12.4	10.8	1,764	44
2183163	225/75R15	102T	-	BSW	600 A/B	6.0 - 7.5	8.8 on 6.0	28.3	26.4	12.7	10.8	1,874	44
2183283	235/70R15	103T	-	BSW	600 A/B	6.0 - 8.0	9.4 on 7.0	28.0	28.9	12.6	10.8	1,929	44
2183323	235/75R15	105T	-	BSW	600 A/B	6.0 - 8.0	9.3 on 6.5	28.9	30.0	12.9	10.8	2,039	44
2182703	205/55R16	91T	-	BSW	700 A/B	5.5 - 7.5	8.4 on 6.5	24.9	20.2	11.5	10.5	1,356	44
2182743	205/60R16	92T	-	BSW	700 A/B	5.5 - 7.5	8.2 on 6.0	25.7	20.5	11.8	10.8	1,389	44
2179753	215/60R16	95T	-	BSW	700 A/B	6.0 - 7.5	8.7 on 6.5	26.1	23.6	12.0	10.8	1,521	44
2182923	215/65R16	98T	-	BSW	600 A/B	6.0 - 7.5	8.7 on 6.5	27.0	26.5	12.3	10.8	1,653	44
2183003	215/70R16	100T	-	BSW	600 A/B	5.5 - 7.0	8.7 on 6.5	27.9	26.3	12.6	10.8	1,764	44
2183043	225/60R16	98T	-	BSW	600 A/B	6.0 - 8.0	9.0 on 6.5	26.6	27.0	12.1	10.8	1,653	44



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2183083	225/65R16	100T	-	BSW	600 A/B	6.0 - 8.0	9.0 on 6.5	27.5	28.7	12.5	10.8	1,764	44
2183143	225/70R16	103T	-	BSW	600 A/B	6.0 - 7.5	9.0 on 6.5	28.4	28.0	12.8	10.8	1,929	44
2183183	235/60R16	100T	-	BSW	600 A/B	6.5 - 8.5	9.4 on 7.0	27.1	28.0	12.3	10.8	1,764	44
2183223	235/65R16	103T	-	BSW	600 A/B	6.5 - 8.5	9.4 on 7.0	28.0	28.8	12.7	10.8	1,929	44
2183303	235/70R16	106T	-	BSW	600 A/B	6.0 - 8.0	8.7 on 6.5	29.0	29.9	13.1	10.8	2,094	44
2182883	215/60R17	96T	-	BSW	600 A/B	6.0 - 7.5	8.7 on 6.5	27.2	25.8	12.5	10.8	1,565	44
2182943	215/65R17	99T	-	BSW	600 A/B	6.0 - 7.5	9.0 on 6.5	28.0	27.3	12.8	10.8	1,709	44
2183063	225/60R17	99T	-	BSW	600 A/B	6.0 - 8.0	9.0 on 6.5	27.6	27.2	12.6	10.8	1,709	44
2183103	225/65R17	102T	-	BSW	600 A/B	6.0 - 8.0	9.0 on 6.5	28.5	28.5	13.0	10.8	1,874	44
2183203	235/60R17	102T	-	BSW	600 A/B	6.5 - 8.5	9.4 on 7.0	28.1	28.7	12.8	10.8	1,874	44
2183243	235/65R17	104T	-	BSW	600 A/B	6.5 - 8.5	9.4 on 7.0	29.1	29.5	13.2	10.8	1,984	44
2183263	235/65R18	106T	-	BSW	600 A/B	6.5 - 8.5	9.4 on 7.0	30.0	32.8	13.7	10.8	2,094	44

BSW - Black Sidewall

SENSE

The New Definition of Today's Everyday Tire

Class: Touring All-Season

Today's small and mid-size cars and hybrids need all-season performance, low rolling resistance, durability and comfort. Kumho Tire utilizes its world-class engineering, technological advancements and top-quality components to deliver the future of high performance at a value price — building a true partnership between today's car, driver and tire.

Benefits & Technology

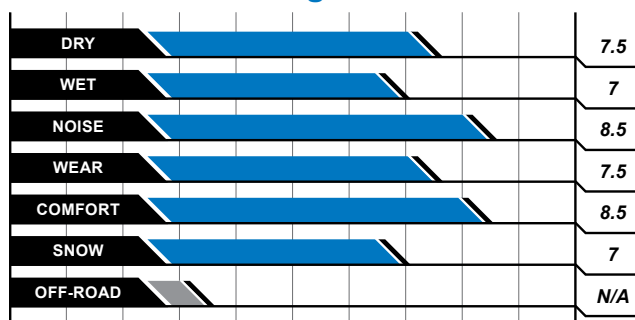
- Excellent all-around, wet and dry performance — the advanced tread compounding and case construction raise the level of the total driving experience
- Specified in a wide range of fitments for today's popular small, mid-size cars and hybrids
- Variable pitch tread blocks reduce road harmonics for a quiet ride



Tread Classification: Symmetric

UTQG 520/460 A/B | T & H RATED

Performance Ratings



Numeric ratings reflect how a tire compares to other Kumho tires of similar type. A rating of 10 indicates that the tire is designed to perform extremely well under those conditions. A rating less than 4 or N/A (not applicable) indicates that the tire is not designed to excel in that area. 10 = Extremely Well, 5 = Acceptable, 1 = Poor.

Sample Vehicles

Chevrolet Sonic; Ford Fusion; Honda Civic; Mazda 3; Scion xB; Toyota Corolla

Comparable Competitor Products

Cooper Trendsetter SE; Hankook H724; Goodyear Integrity; Toyo Extensa A/S; Yokohama AVID Touring-S

AVAILABLE TIRE SIZES ON NEXT PAGE.



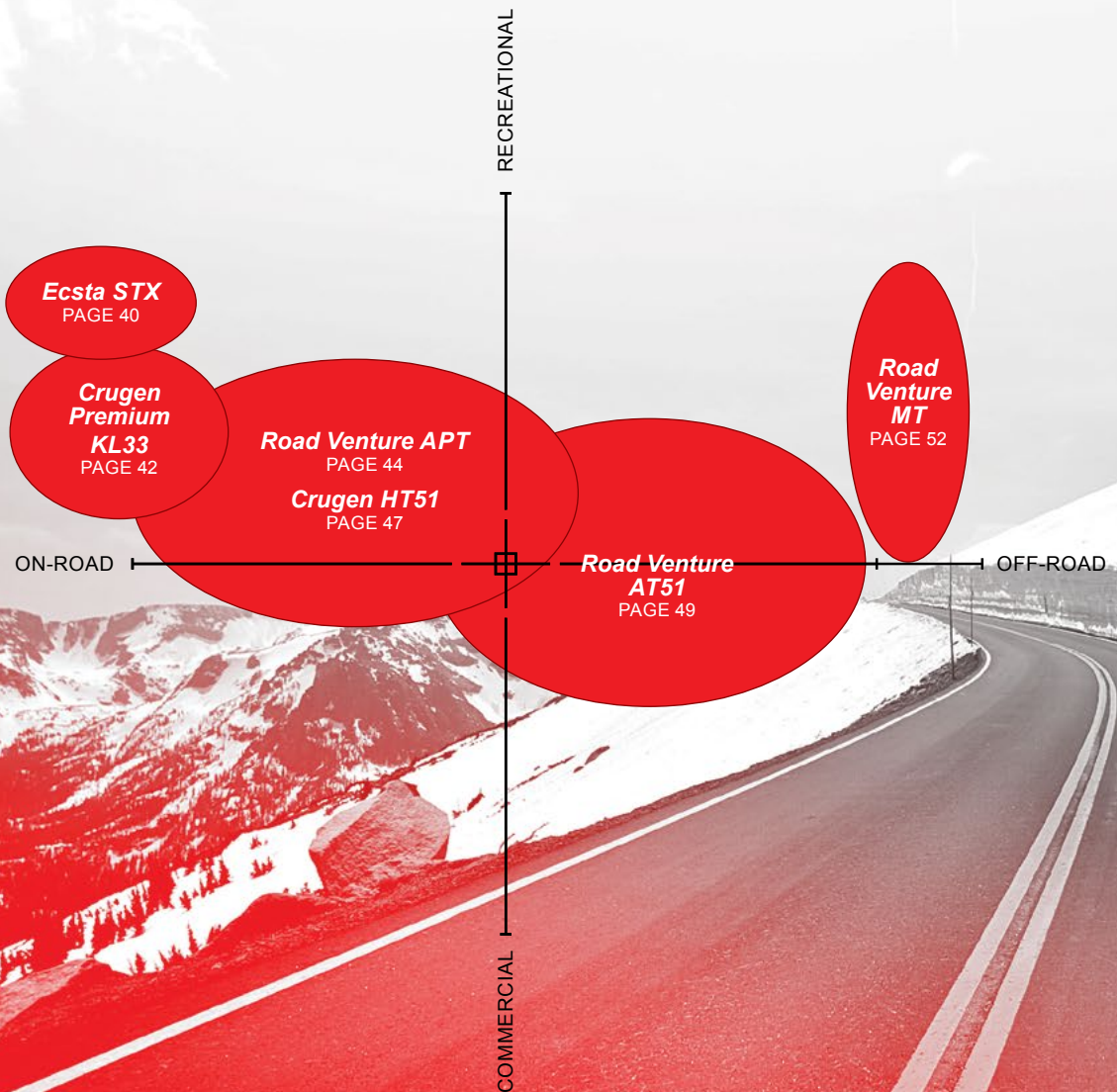
Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2147453	175/70R13	82H	-	BSW	460 A/B	4.5 - 6.0	7.0 on 5.0	22.7	13.2	10.3	916	9.5	1,047	44
2142653	185/60R14	82H	-	BSW	460 A/B	5.0 - 6.5	7.4 on 5.5	22.8	14.4	10.4	913	9.5	1,047	44
2142663	185/65R14	86H	-	BSW	460 A/B	5.0 - 6.5	7.4 on 5.5	23.5	14.7	10.7	885	9.5	1,168	44
2161203	185/70R14	88T	-	BSW	460 A/B	4.5 - 6.0	7.4 on 5.5	24.3	15.5	11.0	855	9.5	1,235	44
2142683	195/60R14	86H	-	BSW	460 A/B	5.5 - 7.0	7.9 on 6.0	23.2	15.1	10.6	894	9.5	1,168	44
2142703	195/70R14	91H	-	BSW	460 A/B	5.0 - 6.5	7.9 on 6.0	24.8	16.8	11.2	838	9.5	1,356	44
2156033	185/60R15	84H	-	BSW	520 A/B	5.0 - 6.5	7.4 on 5.5	23.7	15.7	10.9	877	9.5	1,102	44
2142673	185/65R15	88H	-	BSW	520 A/B	5.0 - 6.5	7.4 on 5.5	24.4	15.8	11.2	850	9.5	1,235	44
2156013	195/60R15	88H	-	BSW	520 A/B	5.5 - 7.0	7.9 on 6.0	24.2	17.4	11.1	858	9.5	1,235	44
2142693	195/65R15	91H	-	BSW	520 A/B	5.5 - 7.0	7.9 on 6.0	25.0	16.8	11.4	831	9.5	1,356	44
2142713	205/60R15	91H	-	BSW	520 A/B	5.5 - 7.5	8.2 on 6.0	24.7	17.5	11.3	842	9.5	1,356	44
2142733	205/65R15	94H	-	BSW	520 A/B	5.5 - 7.5	8.2 on 6.0	25.5	18.2	11.6	816	9.5	1,477	44
2161163	205/70R15	96T	-	BSW	520 A/B	5.0 - 7.0	8.2 on 6.0	26.3	19.4	11.9	790	9.5	1,565	44
2161153	205/75R15	97T	-	BSW	520 A/B	5.0 - 7.0	8.0 on 5.5	27.1	20.3	12.2	767	9.5	1,609	44
2159293	215/70R15	98T	-	BSW	520 A/B	5.5 - 7.0	8.7 on 6.5	26.9	22.3	12.1	772	9.5	1,653	44
2156043	205/55R16	91H	-	BSW	520 A/B	5.5 - 7.5	8.4 on 6.5	24.9	19.2	11.5	834	9.5	1,356	44
2142723	205/60R16	92H	-	BSW	520 A/B	5.5 - 7.5	8.2 on 6.0	25.7	18.6	11.8	809	9.5	1,389	44
2156113	215/55R16	93H	-	BSW	520 A/B	6.0 - 7.5	8.9 on 7.0	25.3	21.6	11.6	821	9.5	1,433	44
2142743	215/60R16	95H	-	BSW	520 A/B	6.0 - 7.5	8.7 on 6.5	26.1	20.2	12.0	795	9.5	1,521	44
2156123	215/65R16	98H	-	BSW	520 A/B	6.0 - 7.5	8.7 on 6.5	27.0	22.1	12.3	769	9.5	1,653	44
2156133	225/55R16	95H	-	BSW	520 A/B	6.0 - 8.0	9.2 on 7.0	25.7	24.3	11.8	808	9.5	1,521	44
2156023	225/60R16	98H	-	BSW	520 A/B	6.0 - 8.0	9.0 on 6.5	26.6	22.7	12.1	781	9.5	1,235	44
2156143	225/65R16	100H	-	BSW	520 A/B	6.0 - 8.0	9.0 on 6.5	27.5	26.0	12.5	755	9.5	1,764	44
2156053	215/55R17	94H	-	BSW	520 A/B	6.0 - 7.5	8.9 on 7.0	26.3	23.1	12.1	790	9.5	1,477	44
2156063	225/50R17	94H	-	BSW	520 A/B	6.0 - 8.0	9.2 on 7.0	25.9	22.0	12.0	802	9.5	1,477	44
2156153	225/55R17	97H	-	BSW	520 A/B	6.0 - 8.0	9.2 on 7.0	26.8	24.0	12.3	775	9.5	1,609	44
2156163	225/65R17	102H	-	BSW	520 A/B	6.0 - 8.0	9.0 on 6.5	28.5	26.2	13.0	729	9.5	1,874	44
2156173	235/55R17	99H	-	BSW	520 A/B	6.5 - 8.5	9.6 on 7.5	27.2	25.4	12.5	764	9.5	1,709	44

BSW - Black Sidewall



TRUCK, SUV & CROSSOVER

Kumho Tire's truck, SUV and crossover tires bring you the best of both on- and off-road performance. They deliver improved off-road and snow traction along with exceptional highway tread wear, braking and handling performance without the sacrifice of ride comfort on highways and city streets.





ECSTA STX

Big Performance, Bold Attitude for Pick-Ups, SUVs and Crossovers

Class: Ultra-High Performance All-Season

A member of the Ecsta performance family of tires, the Ecsta STX brings all-condition performance to a growing category of performance utility vehicles. The directional tread, attractive sidewall design and low-profile stance not only perform flawlessly but also retain Kumho Tire's world-class engineering and construction.

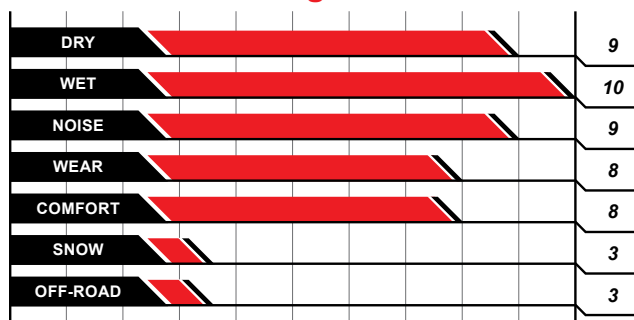
Benefits & Technology

- Quiet ride and reduced interior noise levels, optimized by variable pitch tread blocks
- Excellent wet traction, reduced hydroplaning, provided by wide groove water evacuating tread design
- Greater steering response and large road contact patch, the benefits of jointless cap construction
- Guards against expensive wheel damage with rim protectors in lower sidewall

Tread Classification: Directional

UTQG 420 A/A | V & W RATED

Performance Ratings



Numeric ratings reflect how a tire compares to other Kumho tires of similar type. A rating of 10 indicates that the tire is designed to perform extremely well under those conditions. A rating less than 4 or N/A (not applicable) indicates that the tire is not designed to excel in that area. 10 = Extremely Well, 5 = Acceptable, 1 = Poor.



Sample Vehicles

BMW X5; Cadillac Escalade; Chevrolet 1500 Pickup, Tahoe; Chrysler Pacifica; Dodge Ram; Ford F150; GMC Envoy, Yukon; Mercedes ML430; Toyota Tacoma; Volkswagen Touareg

Comparable Competitor Products

Goodyear Fortera SL Edition; Pirelli Scorpion Zero Asimmetrico; Toyo Proxes ST II; Yokohama Parada Spec-X

AVAILABLE TIRE SIZES ON NEXT PAGE.



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
1637613	255/65R16	109V	-	BSW	420 A/A	7.0 - 9.0	10.2 on 7.5	29.1	32.8	13.1	717	11.0	2,271	51
1638313	255/55R18	109V	XL	BSW	420 A/A	7.0 - 9.0	10.4 on 8.0	29.0	34.6	13.3	716	11.0	2,271	50
1638413	265/60R18	110V	-	BSW	420 A/A	7.5 - 9.5	10.7 on 8.0	30.5	37.7	13.9	683	11.0	2,337	51
2101383	275/55R18	114V	XL	BSW	420 A/A	7.5 - 9.5	11.8 on 8.5	29.8	38.2	18.2	697	11.0	2,601	51
1635713	285/60R18	116V	-	BSW	420 A/A	8.0 - 10.0	11.5 on 8.5	31.5	42.9	14.2	662	11.0	2,756	51
1867213	255/50R19	103W	-	BSW	420 A/A	7.0 - 9.0	10.4 on 8.0	29.1	33.1	13.4	714	11.0	1,929	51
1861513	285/45R19	107W	-	BSW	420 A/A	9.0 - 10.5	11.2 on 9.5	29.1	35.7	13.4	714	11.0	2,149	51
2103413	275/40R20	106W	XL	BSW	420 A/A	9.0 - 11.0	10.9 on 9.5	28.7	34.2	13.2	724	11.5	2,094	51
1851913	275/45R20	106W	-	BSW	420 A/A	8.5 - 10.5	10.7 on 9.0	29.8	36.1	14.4	683	11.5	2,094	51
1832813	275/55R20	117V	XL	BSW	420 A/A	7.5 - 9.5	11.2 on 8.5	31.9	41.7	14.8	652	11.5	2,833	51
1832913	285/50R20	112V	-	BSW	420 A/A	8.0 - 10.0	11.7 on 9.0	31.3	41.7	14.5	666	11.5	2,469	51
1648913	305/50R20	120V	XL	BSW	420 A/A	8.5 - 11.0	12.4 on 9.5	32.0	41.6	14.6	651	11.5	3,086	50
1851713	265/35R22	102W	XL	BSW	420 A/A	9.0 - 10.5	10.7 on 9.5	29.3	33.6	13.8	621	11.5	1,874	51
2101303	265/40R22	106V	XL	BSW	420 A/A	9.0 - 10.5	10.7 on 9.5	30.5	37.2	14.1	681	11.0	2,094	51
2101403	275/45R22	112V	XL	BSW	420 A/A	8.5 - 10.0	10.8 on 9.0	31.7	41.6	18.6	655	11.0	2,469	51
2101423	285/45R22	114V	XL	BSW	420 A/A	9.0 - 10.5	11.2 on 9.5	32.1	43.4	18.9	647	11.0	2,601	51
1682113	305/40R22	114V	XL	BSW	420 A/A	10.0 - 12.0	12.3 on 11.0	31.6	43.2	14.4	657	11.5	2,601	50
1649113	305/45R22	118V	XL	BSW	420 A/A	9.5 - 11.5	11.9 on 10.0	32.8	44.9	15.2	636	11.5	2,910	50
2101463	285/40R24	112V	XL	BSW	420 A/A	9.5 - 11.0	11.3 on 10.0	32.9	44.6	18.9	631	11.0	2,469	51
2101443	295/35R24	110V	XL	BSW	420 A/A	10.0 - 11.5	11.9 on 10.5	32.1	43.5	18.3	647	11.0	2,337	51
1673913	305/35R24	114V	XL	BSW	420 A/A	10.0 - 12.0	12.3 on 11.0	32.4	43.6	15.3	640	11.0	2,601	50

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall

CRUGEN Premium KL33

Premium All-Season Comfort for Crossovers & SUVs

Class: CUV/SUV All-Season

The Crugen Premium KL33 brings a new level of luxury to the SUV experience. Quiet comfort, superb handling and excellent all-season performance make it a perfect upgrade for crossovers and light SUVs, and a natural choice for high-end luxury models.

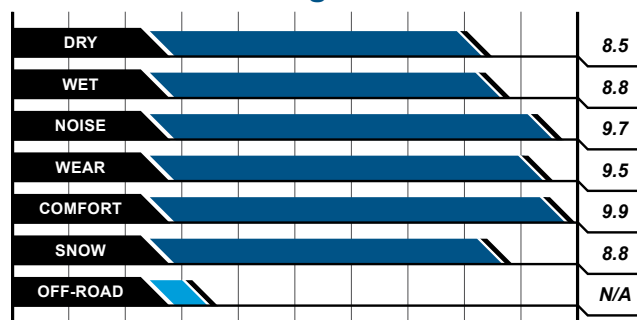
Benefits & Technology

- Taut, responsive steering and an exceptional highway feel result from the wide, rounded outside edge of the tire and its continuous contact with the road
- Exceptional all-weather grip and performance from deep microtreads that create hundreds of tiny gripping edges
- A smooth, quiet, comfortable ride due to the unique noise-cancelling tread that reduces road noise and vibration
- Longer tread life and excellent cold traction from an advanced rubber compound engineered to run cooler and stay flexible at lower temperatures
- High-style sidewalls complement the lines of late-model crossovers and SUVs

Tread Classification: Symmetric

UTQG 440 A/A | T, H & V RATED

Performance Ratings



Numeric ratings reflect how a tire compares to other Kumho tires of similar type. A rating of 10 indicates that the tire is designed to perform extremely well under those conditions. A rating less than 4 or N/A (not applicable) indicates that the tire is not designed to excel in that area. 10 = Extremely Well, 5 = Acceptable, 1 = Poor.



Sample Vehicles

BMW X3; Ford Edge; Hyundai Santa Fe; Kia Sorento; Lexus RX 350

Comparable Competitor Products

Hankook Ventus AS RH07; Michelin Latitude Tour; Bridgestone Dueler H/L Alenza Plus; Continental CrossContact LX with EcoPlus Technology; Goodyear Assurance CS TripleTred All-Season

AVAILABLE TIRE SIZES ON NEXT PAGE.



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2176623	215/70R16	100H	-	BSW	440 A/A	5.5 - 7.0	8.5 on 6.5	27.9	26.8	12.6	745	11.0	1,760	51
2176633	225/70R16	103H	-	BSW	440 A/A	6.0 - 7.5	9.0 on 6.5	28.4	30.6	12.8	731	11.0	1,929	51
2167683	235/70R16	109H	XL	BSW	440 A/A	6.0 - 8.0	9.4 on 7.0	27.6	32.2	12.5	717	11.0	2,271	50
2142863	225/60R17	99V	-	BSW	440 A/A	6.0 - 8.0	9.0 on 6.5	27.6	27.5	12.6	752	11.0	1,709	51
2147223	225/65R17	102V	-	BSW	440 A/A	6.0 - 8.0	9.0 on 6.5	28.5	29.0	12.9	729	11.0	1,874	51
2142173	235/60R17	102V	-	BSW	440 A/A	6.5 - 8.5	9.4 on 7.0	28.1	29.7	12.8	739	11.0	1,874	51
2176993	235/65R17	104V	-	BSW	440 A/A	6.5 - 8.5	9.4 on 7.0	29.1	29.0	13.1	715	11.0	1,984	51
2142193	245/65R17	107V	-	BSW	440 A/A	7.0 - 8.5	9.8 on 7.0	29.5	33.3	13.4	716	12.0	2,149	51
2176223	225/55R18	98H	-	BSW	440 A/A	6.0 - 8.0	9.2 on 7.0	27.8	27.7	12.8	748	11.0	1,653	51
2142153	235/55R18	104V	XL	BSW	440 A/A	6.5 - 8.5	9.6 on 7.5	28.1	31.1	13.0	738	11.0	1,984	50
2177023	235/60R18	103H	-	BSW	440 A/A	6.5 - 8.5	9.4 on 7.0	29.1	29.6	13.9	714	11.0	1,929	51
2147863	235/65R18	110V	XL	BSW	440 A/A	6.5 - 8.5	9.4 on 7.0	30.0	35.0	13.7	692	11.0	2,337	50
2142183	245/60R18	105V	-	BSW	440 A/A	7.0 - 8.5	9.8 on 7.0	29.6	34.3	13.5	703	12.0	2,039	51
2147213	255/55R18	109V	XL	BSW	440 A/A	7.0 - 9.0	10.4 on 8.0	29.0	34.9	13.3	716	12.0	2,149	50
2176643	P255/65R18	109T	-	BSW	440 A/A	7.0 - 9.0	10.2 on 7.5	31.1	36.0	14.1	669	11.0	2,271	51
2176653	P275/65R18	114T	-	BSW	440 A/A	7.0 - 9.5	11.0 on 8.0	32.1	42.1	14.5	647	11.0	2,601	51
2167633	235/50R19	103V	XL	BSW	440 A/A	6.5 - 8.5	9.6 on 7.5	28.3	31.7	13.1	734	11.0	1,929	50
2176983	235/55R19	101H	-	BSW	440 A/A	6.5 - 8.5	9.7 on 7.5	29.2	30.5	14.1	711	11.0	1,819	51
2176663	245/55R19	103H	-	BSW	440 A/A	7.0 - 8.5	10.0 on 7.5	29.6	33.1	13.7	701	11.0	1,929	51
2147813	255/50R19	107V	XL	BSW	440 A/A	7.0 - 9.0	10.4 on 8.0	29.1	34.8	13.4	714	11.0	2,149	50
2181463	255/55R19	111V	XL	BSW	440 A/A	7.0 - 9.0	10.4 on 8.0	30.0	36.0	13.8	709	11.0	2,403	50
2181473	P255/60R19	108H	-	BSW	440 A/A	7.0 - 8.5	10.2 on 7.5	31.1	36.2	14.2	672	11.0	2,205	51
2181483	275/55R19	111V	-	BSW	440 A/A	7.5 - 9.5	11.2 on 8.5	30.9	36.8	14.1	691	11.0	2,403	51
2181503	P245/50R20	102V	-	BSW	440 A/A	7.0 - 8.5	10.0 on 7.5	29.7	31.4	13.8	714	11.0	1,874	51
2181513	255/45R20	105V	-	BSW	440 A/A	8.0 - 9.5	10.0 on 8.5	29.1	35.1	13.5	701	11.0	1,819	51
2181523	P255/55R20	107H	-	BSW	440 A/A	7.0 - 9.0	10.4 on 8.0	31.0	37.8	14.3	692	11.0	2,149	51
2147823	255/50R20	109V	XL	BSW	440 A/A	7.0 - 9.0	10.4 on 8.0	30.1	37.6	13.9	691	11.0	2,271	50
2147833	265/50R20	111V	XL	BSW	440 A/A	7.5 - 9.5	10.9 on 8.5	30.5	39.7	14.1	682	11.0	2,403	50
2181533	P285/45R22	110H	-	BSW	440 A/A	9.0 - 10.5	11.2 on 9.5	32.1	39.7	14.9	701	11.0	2,337	51

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall

ROAD VENTURE APT

A Tire That Handles Hard Work in Every Condition

Class: All-Season Highway Use (HT)

Engineered with qualities, features and details to go the distance in hard-working, hard-driving, all-weather conditions, the Road Venture APT excels in both standard and work load applications. A perfect replacement tire with an extensive line-up of sizes and applications.

Benefits & Technology

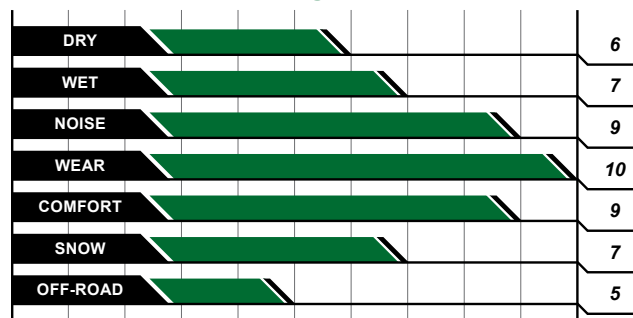
- Outstanding all-condition traction and durability through advanced construction and component technology
- Self-cleaning tread for confident winter performance, with improved water and snow evacuation
- Excellent ride comfort and long tread life, provided by solid center rib construction
- Available in black sidewall as well as outlined white sidewall



Tread Classification: Symmetric

UTQG 600 A/A (P-Metric Only)
T, H & V RATED

Performance Ratings



Numeric ratings reflect how a tire compares to other Kumho tires of similar type. A rating of 10 indicates that the tire is designed to perform extremely well under those conditions. A rating less than 4 or N/A (not applicable) indicates that the tire is not designed to excel in that area. 10 = Extremely Well, 5 = Acceptable, 1 = Poor.

Sample Vehicles

Chevrolet Silverado, Tahoe, Trailblazer; Dodge Ram 1500; Ford F-150, Explorer; Nissan Armada, Frontier; Toyota Tundra

Comparable Competitor Products

BFG Long Trail T/A Tour; Bridgestone Dueler H/T; Michelin LTX M/S2; Toyo Open Country H/T; Pirelli Scorpion STR-A

AVAILABLE TIRE SIZES ON NEXT PAGE.



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Load Dual (lbs.)	Max Air (psi)
1918713	P225/70R15	100T	-	OWL	600 A/A	6.0 - 7.5	9.0 on 6.5	27.4	27.5	12.4	758	12.0	1,753	-	51
1875913	P225/75R15	102T	-	OWL	600 A/A	6.0 - 7.5	8.7 on 6.0	28.3	29.8	12.7	734	12.0	1,874	-	51
1918913	P235/70R15	102T	-	OWL	600 A/A	6.0 - 8.0	9.5 on 7.0	27.9	29.8	12.6	745	12.0	1,896	-	51
1855113	P235/75R15	105T	-	OWL	600 A/A	6.5 - 8.5	9.3 on 7.0	28.8	32.1	12.9	721	12.0	2,028	-	51
1859813	255/70R15	108H	-	OWL	600 A/A	6.5 - 8.5	10.2 on 8.0	29.1	32.7	13.0	714	12.0	2,183	-	51
1861213	265/70R15	112T	-	BSW	600 A/A	7.0 - 9.0	10.7 on 8.0	29.6	35.0	13.2	702	12.0	2,337	-	51
2103123	P215/70R16	99T	-	BSW	600 A/A	5.5 - 7.0	8.7 on 6.5	27.9	27.7	17.3	745	12.0	1,709	-	51
2102893	P215/75R16	101T	-	BSW	600 A/A	5.5 - 7.0	8.5 on 6.0	28.9	29.3	18.1	719	12.0	1,819	-	51
1918813	P225/70R16	102T	-	OWL	600 A/A	6.0 - 7.5	9.0 on 7.5	28.4	29.2	12.8	731	12.0	1,874	-	51
1878313	P225/75R16	104T	-	OWL	600 A/A	6.0 - 7.5	8.8 on 9.0	29.3	31.1	13.2	709	12.0	1,984	-	51
1861013	235/60R16	104H	-	OWL	600 A/A	6.0 - 8.0	9.4 on 7.0	27.1	29.3	12.3	767	12.0	1,984	-	51
1855513	235/70R16	106T	-	OWL	600 A/A	6.0 - 8.0	9.4 on 8.0	29.0	33.0	13.1	716	12.0	2,094	-	51
1919013	P235/75R16	106T	-	OWL	600 A/A	6.0 - 8.0	9.3 on 7.0	29.8	32.4	13.4	697	12.0	2,094	-	51
1919113	P245/70R16	107H	-	OWL	600 A/A	6.5 - 8.0	9.8 on 9.5	29.5	33.3	13.3	704	12.0	2,149	-	51
1919213	P245/75R16	109T	-	BSW	600 A/A	6.5 - 8.0	9.8 on 7.0	30.4	34.8	13.6	683	12.0	2,271	-	51
1821913	P255/65R16	109H	-	BSW	600 A/A	7.0 - 9.0	10.2 on 8.0	29.1	34.2	13.1	714	12.0	2,271	-	51
1876113	P255/70R16	109T	-	OWL	600 A/A	6.5 - 8.5	10.2 on 7.5	30.1	36.3	13.5	690	12.0	2,271	-	51
1919313	P265/70R16	112T	-	OWL	600 A/A	7.0 - 9.0	10.7 on 8.0	30.6	38.8	13.7	679	12.0	2,470	-	51
1878813	P265/75R16	114T	-	OWL	600 A/A	7.0 - 9.0	10.5 on 7.5	31.6	39.0	14.1	657	12.0	2,601	-	51
1876413	P275/70R16	114H	-	BSW	600 A/A	7.0 - 9.0	11.0 on 8.0	31.2	39.3	13.9	666	12.0	2,601	-	51
1885313	225/55R17	97H	-	BSW	600 A/A	6.0 - 7.5	9.2 on 7.5	26.7	29.0	11.9	778	12.0	1,609	-	51
2102913	225/65R17	102H	-	BSW	600 A/A	6.0 - 8.0	8.9 on 6.5	28.5	30.4	17.5	729	12.0	1,874	-	51
1861113	235/60R17	102V	-	OWL	600 A/A	7.0 - 9.0	9.4 on 7.0	28.1	29.9	12.8	739	11.0	1,874	-	51
1860713	P235/65R17	104H	-	BSW	600 A/A	7.0 - 8.5	9.4 on 7.0	29.1	30.8	13.2	714	12.0	1,984	-	51
2147993	245/65R17	107T	XL	BSW	600 A/A	7.0 - 8.5	9.8 on 7.0	29.5	33.1	13.4	704	12.0	2,403	-	50
2103143	P245/70R17	108T	-	OWL	600 A/A	6.5 - 8.0	9.7 on 7.0	30.6	35.4	19.1	679	12.0	2,205	-	51
1885213	P255/65R17	108T	-	OWL	600 A/A	7.0 - 9.0	10.2 on 7.5	30.1	36.2	13.6	690	12.0	2,205	-	51
1855213	P265/65R17	112H	-	BSW	600 A/A	7.5 - 9.5	10.7 on 8.0	30.6	36.6	13.8	679	12.0	2,469	-	51
1919413	P265/70R17	113H	-	OWL	600 A/A	7.0 - 9.0	10.7 on 8.0	31.7	38.9	14.2	655	12.0	2,535	-	51
1885613	275/55R17	109H	-	BSW	600 A/A	7.5 - 9.5	11.2 on 8.0	28.9	37.4	13.1	719	12.0	2,271	-	51

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall

OWL - Outline White Letter Sidewall

INFORMATION CONTINUES ON NEXT PAGE ...



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Load Dual (lbs.)	Max Air (psi)
1878913	P275/60R17	110H	-	BSW	600 A/A	7.5 - 9.5	10.9 on 8.0	30.0	38.4	13.6	692	12.0	2,337	-	51
1876313	P275/65R17	113H	-	BSW	600 A/A	7.5 - 9.5	10.9 on 8.0	31.1	40.6	14.0	668	12.0	2,535	-	51
1858413	235/55R18	100V	-	BSW	600 A/A	6.5 - 8.5	9.6 on 7.5	28.1	32.1	13.0	739	11.0	1,764	-	51
1855413	235/60R18	103V	-	BSW	600 A/A	7.0 - 9.0	9.4 on 7.0	29.1	32.0	13.3	714	11.0	1,929	-	50
2140683	255/55R18	109V	XL	BSW	600 A/A	7.0 - 9.0	10.2 on 8.0	29.0	38.3	13.3	716	12.0	2,271	-	51
1855613	255/60R18	112V	XL	BSW	600 A/A	7.0 - 9.0	10.2 on 8.0	30.0	35.8	13.7	692	11.0	2,469	-	51
2103183	P275/55R20	111T	-	BSW	600 A/A	7.5 - 9.5	11.1 on 8.5	31.9	42.3	19.3	651	12.0	2,833	-	51
2103163	P275/60R20	114T	-	BSW	600 A/A	7.5 - 9.5	10.9 on 8.0	32.9	44.1	20.1	631	12.0	2,601	-	51
2103023	LT235/75R15	104/101S	C	OWL	-	6.0 - 7.0	9.2 on 6.5	28.9	34.1	13.4	719	13.5	1,985	1,820	50
2103043	LT215/85R16	115/112S	E	BSW	-	5.5 - 7.0	8.5 on 6.0	30.4	39.2	14.1	683	13.5	2,680	2,470	80
2102793	LT225/75R16	110/107S	D	OWL	-	6.0 - 7.0	8.8 on 6.0	29.3	35.0	13.7	709	13.5	2,335	2,150	65
2102813	LT225/75R16	115/112S	E	BSW	-	6.0 - 7.0	8.8 on 6.0	29.3	36.5	13.7	709	13.5	2,680	2,470	80
2103063	LT235/85R16	120/116S	E	BSW	-	6.0 - 7.5	9.2 on 6.5	31.7	43.6	14.7	655	13.5	3,042	2,778	80
2103083	LT245/75R16	120/116S	E	BSW	-	6.5 - 8.0	9.8 on 7.0	30.5	41.9	14.1	681	13.5	3,042	2,778	80
1879013	LT265/70R16	117/114Q	D	BSW	-	7.0 - 8.5	10.7 on 8.0	30.6	45.6	13.7	679	15.0	2,835	2,600	65
2102833	LT265/75R16	112/109S	C	OWL	-	7.0 - 8.0	10.5 on 7.5	31.6	41.6	14.6	657	13.5	2,470	2,270	50
2102853	LT265/75R16	123/120S	E	OWL	-	7.0 - 8.0	10.5 on 7.5	31.6	46.2	14.6	657	13.5	3,415	3,085	80
2102873	LT245/70R17	119/116S	E	OWL	-	6.5 - 8.0	9.7 on 7.0	30.5	43.3	19.0	681	13.5	3,000	2,755	80
2103103	LT275/70R18	125/122S	E	BSW	-	7.0 - 8.5	10.9 on 8.0	33.2	53.1	20.9	626	13.5	3,640	3,305	80

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall

OWL - Outline White Letter Sidewall

CRUGEN HT51

Highway All-Season

Class: Highway Terrain All-Season

Engineered with qualities, features and details to go the distance in hard-working, hard-driving, all-weather conditions, the Crugen HT51 excels in both standard and workload applications. A perfect replacement tire with an extensive line-up of sizes and applications.

Benefits & Technology

- Stiff center block design reinforces stability, traction and handling capabilities for improved, straight-line driving performance
- Symmetrical four-channel layout and optimal block shape improves tread life
- 3D sipe applications maximize grip and breaking performance which improves stability on snow-covered roads
- A zigzag-style groove design improves drainage performance, enhancing driving performance in wet conditions
- The new and attractive sidewall communicates contemporary emotion with modern design elements



(P-Metric Only)



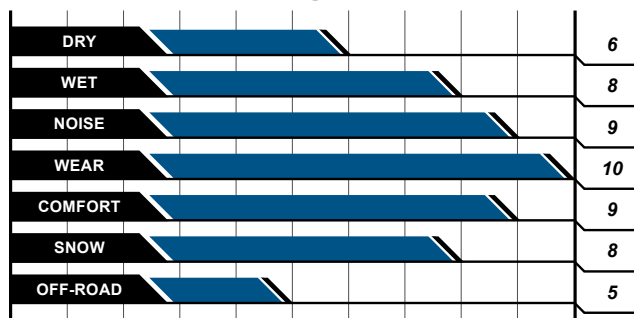
(LT-Metric Only)



Tread Classification: Asymmetric

UTQG 720 A/A (P-Metric Only)
T, R & S RATED

Performance Ratings



Numeric ratings reflect how a tire compares to other Kumho tires of similar type. A rating of 10 indicates that the tire is designed to perform extremely well under those conditions. A rating less than 4 or N/A (not applicable) indicates that the tire is not designed to excel in that area. 10 = Extremely Well, 5 = Acceptable, 1 = Poor.

Sample Vehicles

Chevrolet Silverado, Suburban, Tahoe; Dodge Ram Series; Ford Explorer, F-Series; Nissan Armada, Frontier; Toyota Tundra

Comparable Competitor Products

Michelin LTX M/S2; Hankook Dynapro HT RH12; Falken Wildpeak H/T; Toyo Open Country H/T

AVAILABLE TIRE SIZES ON NEXT PAGE.



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2205813	P235/70R15	102T	-	BSW	720 A/A	6.0 - 8.0	9.4 on 7.0	28.0	29.6	12.6	-	12.5	1,896	51
2181713	P235/75R15	105T	-	BSW	720 A/A	6.0 - 8.0	9.3 on 6.5	28.9	30.2	12.9	-	12.5	2,028	51
2181593	P215/70R16	99T	-	BSW	720 A/A	5.5 - 7.0	8.7 on 6.5	27.9	27.3	12.6	-	12.5	1,709	51
2181613	P225/75R16	104T	-	BSW	720 A/A	6.0 - 7.5	8.8 on 6.0	29.3	30.5	13.2	-	12.5	1,984	51
2181673	235/70R16	106T	-	BSW	720 A/A	6.0 - 8.0	9.4 on 7.0	29.0	30.8	13.1	-	12.5	2,094	51
2205803	P235/75R16	106T	-	BSW	720 A/A	6.0 - 8.0	9.3 on 6.5	29.8	32.1	13.4	-	12.5	2,094	51
2181773	245/70R16	107T	-	BSW	720 A/A	6.5 - 8.0	9.8 on 7.0	29.5	33.0	13.3	-	12.5	2,150	51
2181813	P245/75R16	109T	-	BSW	720 A/A	6.5 - 8.0	9.8 on 7.0	30.5	33.3	13.6	-	12.5	2,271	51
2181853	P255/70R16	109T	-	BSW	720 A/A	6.5 - 8.5	10.2 on 7.5	30.1	34.4	13.5	-	12.5	2,271	51
2181953	265/70R16	112T	-	BSW	720 A/A	7.0 - 9.0	10.7 on 8.0	30.6	36.6	13.7	-	12.5	2,469	51
2182013	P265/75R16	114T	-	BSW	720 A/A	7.0 - 9.0	10.5 on 7.5	31.7	37.9	14.1	-	12.5	2,601	51
2205893	P235/70R17	108T	XL	BSW	720 A/A	6.0 - 8.0	9.4 on 7.0	30.0	35.1	13.6	-	12.5	2,205	50
2181753	245/65R17	111T	XL	BSW	720 A/A	7.0 - 8.5	9.8 on 7.0	29.5	34.9	13.4	-	12.5	2,403	50
2181793	245/70R17	108T	-	BSW	720 A/A	6.5 - 8.0	9.8 on 7.0	30.6	35.2	13.8	-	12.5	2,205	51
2181913	265/65R17	112T	-	BSW	720 A/A	7.5 - 9.5	10.7 on 8.0	30.6	36.6	13.8	-	12.5	2,469	51
2181973	P265/70R17	113T	-	BSW	720 A/A	7.0 - 9.0	10.7 on 8.0	31.7	39.4	14.2	-	12.5	2,535	51
2205783	P255/70R18	112T	-	BSW	720 A/A	6.5 - 8.5	10.2 on 7.5	32.1	38.2	14.5	-	12.5	2,469	51
2205853	P265/60R18	109T	-	BSW	720 A/A	7.5 - 9.5	10.7 on 8.0	30.5	36.8	13.9	-	12.5	2,271	51
2205933	P265/65R18	112T	-	BSW	720 A/A	7.5 - 9.5	10.7 on 8.0	31.5	37.9	14.3	-	12.5	2,469	51
2205833	P265/70R18	114T	-	BSW	720 A/A	7.0 - 9.0	10.7 on 8.0	32.6	40.9	14.7	-	12.5	2,601	51
2205913	P275/65R18	114T	-	BSW	720 A/A	7.5 - 9.5	11.0 on 8.0	32.1	40.8	14.5	-	12.5	2,601	51
2182033	P275/55R20	111T	-	BSW	720 A/A	7.5 - 9.5	11.2 on 8.5	31.9	39.9	14.6	-	12.5	2,403	51
2205873	P275/60R20	114T	-	BSW	720 A/A	7.5 - 9.5	11.0 on 8.0	33.0	42.2	15.1	-	12.5	2,601	51
2182133	LT235/75R15	104/101S	-	BSW	-	6.0 - 7.0	9.3 on 6.5	28.9	34.6	12.9	-	14.5	1,985	50
2182093	LT215/85R16	115/112R	-	BSW	-	5.5 - 7.0	8.5 on 6.0	30.4	41.7	13.6	-	14.5	2,680	80
2182113	LT225/75R16	110/107S	-	BSW	-	6.0 - 7.0	8.8 on 6.0	29.3	38.5	13.2	-	14.5	2,335	65
2182153	LT235/85R16	120/116R	-	BSW	-	6.0 - 7.5	9.3 on 6.5	31.7	44.9	14.1	-	14.5	3,042	80
2182193	LT245/75R16	120/116S	-	BSW	-	6.5 - 8.0	9.8 on 7.0	30.5	44.6	13.6	-	14.5	3,042	80
2182213	LT265/75R16	112/109S	-	BSW	-	7.0 - 8.0	10.5 on 7.5	31.7	42.7	14.1	-	14.5	2,470	50
2182273	LT235/80R17	120/117R	-	BSW	-	6.0 - 7.5	9.3 on 6.5	31.8	45.6	14.3	-	14.5	3,085	80
2182173	LT245/70R17	119/116S	-	BSW	-	6.5 - 8.0	9.8 on 7.0	30.6	45.9	13.8	-	14.5	3,000	80
2182293	LT245/75R17	121/118S	-	BSW	-	6.5 - 7.5	9.8 on 7.0	31.5	46.6	14.2	-	14.5	3,195	80
2182253	LT265/70R17	121/118S	-	BSW	-	7.0 - 8.5	10.7 on 8.0	31.7	52.0	14.2	-	14.5	3,195	80
2182333	LT275/65R18	123/120R	-	BSW	-	7.5 - 9.0	9.4 on 8.0	29.1	52.8	14.5	-	14.5	3,415	80
2182233	LT275/70R18	125/122R	-	BSW	-	7.0 - 8.5	11.0 on 8.0	33.2	56.2	14.9	-	14.5	3,640	80

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall

ROAD VENTURE AT51

Off-Road Performance, Fine Tuned for the Road

Class: All-Terrain

The legendary Road Venture AT51 offers world-class traction on soft terrain, and surprising comfort on the road. It's well-adapted to deep snow, muddy job sites and wet highways, with a ride that rivals many touring tires. Superbly balanced on/off-road performance, with exceptional efficiency.

Benefits & Technology

- Class-leading performance in the mud and snow, with an angled chamfer that creates hundreds of gripping edges, and a deep, tapered tread block that promotes self-cleaning
- Engineered for a quiet, comfortable ride, with a symmetric tread design and variable-pitch tread blocks to reduce road harmonics
- Excellent grip and stability in heavy weather, with deep central grooves to channel rain and snow away quickly
- For long tread wear and fuel efficiency, the dual silicone compound is engineered to cool quickly and wear evenly



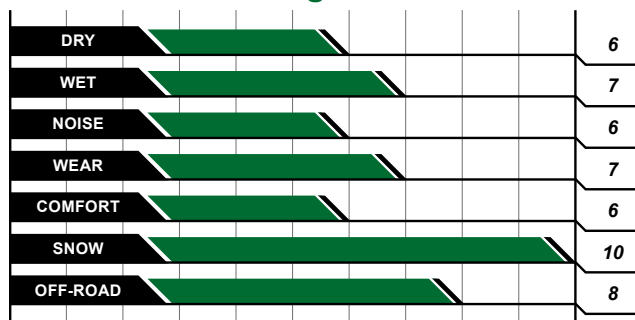
(P-Metric Only)



Tread Classification: Symmetric

UTQG 540 A/A (P-Metric Only)
T & R RATED

Performance Ratings



Numeric ratings reflect how a tire compares to other Kumho tires of similar type. A rating of 10 indicates that the tire is designed to perform extremely well under those conditions. A rating less than 4 or N/A (not applicable) indicates that the tire is not designed to excel in that area. 10 = Extremely Well, 5 = Acceptable, 1 = Poor.

Sample Vehicles

Chevrolet Pickup; Dodge/Ram Pickup; Ford Pickup; Hummer H2 and H3; Jeep Wrangler; Nissan Titan; Toyota Tundra

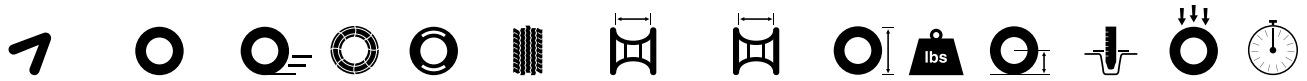
Comparable Competitor Products

BFG All-Terrain T/A KO; Michelin LTX A/T 2; Goodyear Wrangler AT/S; Pirelli Scorpion A/T; Yokohama Geolandar A/T-S

AVAILABLE TIRE SIZES ON NEXT PAGE.



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2178063	P235/75R15	108T	XL	BSW	540 A/A	6.0 - 8.0	9.3 on 6.5	28.8	32.5	12.9	13.1	2,183	50
2169493	P235/70R16	104T	SL	BSW	540 A/A	6.0 - 8.0	9.4 on 7.0	28.9	31.8	13.0	13.1	1,984	51
2169433	P245/70R16	106T	SL	BSW	540 A/A	6.5 - 8.0	9.8 on 7.0	29.4	34.6	11.5	13.1	2,094	51
2169393	P245/75R16	109T	SL	BSW	540 A/A	6.5 - 8.0	9.8 on 7.0	30.4	34.6	11.9	13.1	2,271	51
2169373	P255/70R16	109T	SL	BSW	540 A/A	6.5 - 8.5	10.2 on 7.5	30.0	36.0	11.7	13.1	2,271	51
2178083	P265/70R16	111T	SL	BSW	540 A/A	7.0 - 9.0	10.7 on 8.0	30.6	38.1	11.9	13.1	2,403	51
2178123	P265/75R16	114T	SL	BSW	540 A/A	7.0 - 9.0	10.5 on 7.5	31.6	43.8	12.3	13.1	2,601	51
2177583	235/65R17	104T	SL	BSW	540 A/A	6.5 - 8.5	9.4 on 7.0	29.0	30.9	13.2	13.1	1,984	51
2169453	P245/65R17	105T	SL	BSW	540 A/A	7.0 - 8.5	9.8 on 7.0	29.4	33.4	11.5	13.1	2,039	51
2169413	P245/70R17	108T	SL	BSW	540 A/A	6.5 - 8.0	9.8 on 7.0	30.5	35.1	11.9	13.1	2,205	51
2169353	P255/70R17	110T	SL	BSW	540 A/A	6.5 - 8.5	10.2 on 7.5	31.0	37.6	12.1	13.1	2,337	51
2169333	P265/65R17	110T	SL	BSW	540 A/A	7.5 - 9.5	10.7 on 8.0	30.5	38.0	11.9	13.1	2,337	51
2178103	P265/70R17	113T	SL	BSW	540 A/A	7.0 - 9.0	10.7 on 8.0	31.6	39.6	12.3	13.1	2,535	51
2169273	P265/70R18	114T	SL	BSW	540 A/A	7.0 - 9.0	10.7 on 8.0	32.6	40.9	14.7	13.1	2,601	51
2169193	P275/65R18	114T	SL	BSW	540 A/A	7.5 - 9.5	11.0 on 8.0	32.0	44.1	12.5	13.1	2,601	51
2169233	P275/55R20	111T	SL	BSW	540 A/A	7.5 - 9.5	11.2 on 8.5	31.8	47.0	14.6	13.1	2,403	51
2169213	P275/60R20	114T	SL	BSW	540 A/A	7.5 - 9.5	11.0 on 8.0	32.9	44.4	12.8	13.1	2,601	51
2177523	LT215/75R15	106/103R	D	BSW	-	5.5 - 7.0	8.5 on 6.0	27.6	32.5	12.4	15.6	2,095	65
2177603	LT235/75R15	104/101R	C	BSW	-	6.0 - 7.0	9.3 on 6.5	28.8	33.9	11.2	15.6	1,985	50
2177943	30X9.5R15LT	104R	C	BSW	-	6.5 - 8.5	9.4 on 7.5	29.4	36.6	11.5	15.6	1,985	50
2178003	31X10.5R15LT	109R	C	BSW	-	7.0 - 9.0	10.6 on 8.5	30.4	41.7	11.9	15.6	2,270	50
2178023	32X11.5R15LT	113R	C	BSW	-	8.0 - 10.0	11.4 on 9.0	31.5	46.9	12.3	15.6	2,535	50
2178043	33X12.5R15LT	108R	C	BSW	-	8.5 - 11.0	12.5 on 10.0	32.4	50.4	12.6	15.6	2,205	35
2177543	LT215/85R16	115/112R	E	BSW	-	5.5 - 7.0	8.5 on 6.0	30.3	40.7	13.6	15.6	2,680	80
2177563	LT225/75R16	115/112R	E	BSW	-	6.0 - 7.0	8.8 on 6.0	29.2	41.7	11.4	15.6	2,680	80
2177643	LT235/85R16	120/116R	E	BSW	-	6.0 - 7.5	9.3 on 6.5	31.7	43.8	12.4	15.6	3,042	80
2177683	LT245/75R16	120/116R	E	BSW	-	6.5 - 8.0	9.8 on 7.0	30.4	44.4	11.9	15.6	3,042	80
2177743	LT265/75R16	123/120R	E	BSW	-	7.0 - 8.0	10.5 on 7.5	31.6	49.4	12.3	15.6	3,415	80
2177903	LT285/75R16	126/123R	E	BSW	-	7.5 - 9.0	11.3 on 8.0	32.8	56.9	12.8	15.6	3,750	80
2177923	LT305/70R16	124/121R	E	BSW	-	8.0 - 9.5	12.2 on 9.0	32.8	62.1	12.8	15.6	3,525	65
2177983	LT315/75R16	121/118R	D	BSW	-	8.0 - 11.0	12.3 on 8.5	34.5	68.8	13.5	15.6	3,195	50



Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	Tread Depth (1/32")	Max Load Single (lbs.)	Max Air (psi)
2177623	LT235/80R17	120/117R	E	BSW	-	6.0 - 7.5	9.3 on 6.5	31.7	46.2	14.3	15.6	3,085	80
2177663	LT245/70R17	119/116R	E	BSW	-	6.5 - 8.0	9.8 on 7.0	30.5	43.8	11.9	15.6	3,000	80
2177703	LT245/75R17	121/118R	E	BSW	-	6.5 - 7.5	9.8 on 7.0	31.4	46.3	12.2	15.6	3,195	80
2177723	LT265/70R17	121/118R	E	BSW	-	7.0 - 8.5	10.7 on 8.0	31.6	54.0	12.3	15.6	3,195	80
2177803	LT275/70R17	114/110R	C	BSW	-	7.0 - 8.5	11.0 on 8.0	32.1	54.2	12.5	15.6	2,600	50
2177883	LT285/70R17	121/118R	E	BSW	-	7.5 - 9.0	11.5 on 8.5	32.7	54.9	12.8	15.6	3,195	80
2177963	LT315/70R17	121/118R	D	BSW	-	8.0 - 11.0	12.7 on 9.5	34.3	65.6	13.4	15.6	3,195	50
2177823	LT275/70R18	125/122R	E	BSW	-	7.0 - 8.5	11.0 on 8.0	33.1	54.2	14.9	15.6	3,640	80
2177763	LT275/65R18	123/120R	E	BSW	-	7.5 - 9.0	11.0 on 8.0	32.0	50.8	12.5	15.6	3,415	80
2177863	LT285/65R18	125/122R	E	BSW	-	8.0 - 10.0	11.5 on 8.5	32.5	55.6	12.7	15.6	3,640	80
2177783	LT275/65R20	126/123R	E	BSW	-	7.5 - 9.5	11.0 on 8.0	34.0	55.9	15.5	15.6	3,750	80
2177843	LT285/55R20	122/119R	E	BSW	-	8.0 - 10.0	11.7 on 9.0	32.3	52.9	12.6	15.6	3,305	80

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall



ROAD VENTURE MT

Nothing but Extreme All-Terrain Performance

Class: Mud-Terrain

This is what an all-terrain, all-condition, all-excitement tire should be. The Road Venture MT takes on and conquers mud, rocks, rain, snow, rotted-out ruts and more — with ease. Chip-resistant compound, full-depth zigzag grooves and biting edges provide traction second to none with lots to spare. This is all-terrain taken seriously for the true off-road enthusiast.

Benefits & Technology

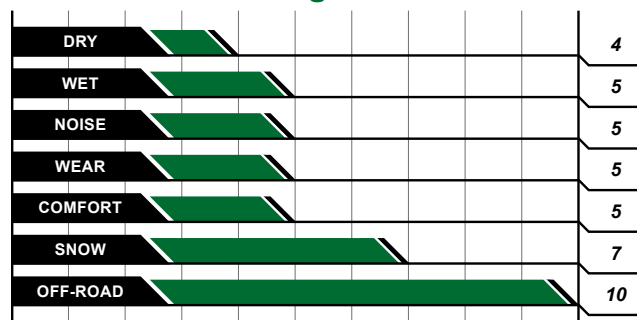
- Increased durability and reduced tire noise, characteristics of full-width steel belts and jointless cap plies
- On- and off-road tire stress reduced with dual body plies
- Outstanding climbing ability with dual pitch, off-center staggered tread blocks
- Offered in P-metric and LT-metric as well as large diameter flotation sizes



Tread Classification: Directional

Q RATED

Performance Ratings



Numeric ratings reflect how a tire compares to other Kumho tires of similar type. A rating of 10 indicates that the tire is designed to perform extremely well under those conditions. A rating less than 4 or N/A (not applicable) indicates that the tire is not designed to excel in that area. 10 = Extremely Well, 5 = Acceptable, 1 = Poor.

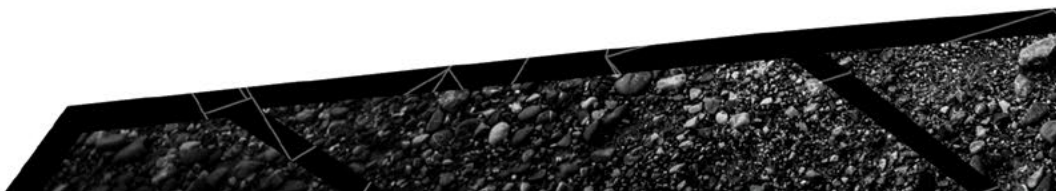
Sample Vehicles

Chevrolet Silverado; Dodge Dakota, Ram Series; Ford F Series, Ranger; Isuzu Rodeo; Jeep Wrangler; Toyota Tacoma

Comparable Competitor Products

BFG Mud Terrain T/A KM2; Goodyear Wrangler MT/R; Toyo Open Country M/T; Yokohama Geolander MT+

AVAILABLE TIRE SIZES ON NEXT PAGE.





Product Code	Tire Size	Svc. Desc.	Const.	Sidewall	Rim Width Range (in)	Section Width on Reference		Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Load Dual (lbs.)	Max Air (psi)
						Rim Width (in)									
1764313	31X10.50R15	109Q	C	BSW	7.0 - 9.0	10.6 on 8.5		30.6	45.4	13.6	680	19.0	2,270	-	50
1871513	32X11.50R15	113Q	C	BSW	8.0 - 10.0	11.4 on 9.0		31.8	50.9	14.0	658	20.0	2,535	-	50
1803713	33X12.50R15	108Q	C	BSW	8.5 - 11.0	12.5 on 10.0		32.3	53.7	14.2	638	19.0	2,205	-	35
1861313	35X12.50R15	113Q	C	BSW	8.5 - 11.0	13.6 on 10.0		34.7	67.9	17.0	599	20.0	2,535	-	35
1912113	35X12.50R17	121Q	E	BSW	8.5 - 11.0	12.5 on 10.0		34.8	73.3	13.4	608	21.0	3,525	-	65
2108023	33X12.50R18	118Q	E	BSW	8.5 - 11.0	12.7 on 10.0		33.0	66.4	20.7	630	21.0	2,910	-	65
1825213	35X12.50R18	118Q	D	BSW	8.5 - 11.0	11.4 on 10.0		34.8	74.1	16.2	597	21.5	2,910	-	50
2107263	33X12.50R20	114Q	E	BSW	8.5 - 11.0	12.5 on 10.0		32.8	67.3	15.0	633	21.0	2,600	-	65
2122443	35X12.50R20	121Q	E	BSW	8.5 - 11.0	12.5 on 10.0		34.8	68.2	15.7	597	20.0	3,195	-	65
1829613	37X13.50R20	127Q	E	BSW	8.5 - 11.0	12.5 on 11.0		36.8	84.1	17.1	565	21.5	3,860	-	65
1830613	38X15.50R20	125Q	D	BSW	11.0 - 13.0	14.3 on 12.0		37.8	93.9	17.5	550	21.5	3,635	-	50
1825413	37X13.50R22	123Q	E	BSW	8.5 - 11.0	12.5 on 11.0		36.8	79.4	17.1	565	21.5	3,420	-	65
1831513	38X14.00R24	118Q	D	BSW	9.0 - 11.5	14.1 on 11.0		37.8	83.1	17.5	550	18.5	2,910	-	50
1853913	205/80R16	104Q	XL	BSW	5.5 - 7.0	8.0 on 5.5		28.9	34.9	13.1	719	18.0	1,985	-	50
1854113	LT235/75R15	104/101Q	C	BSW	6.0 - 7.0	9.3 on 6.5		29.1	40.9	11.3	719	18.0	1,985	1,820	50
1854013	LT225/75R16	110/107Q	D	BSW	6.0 - 7.0	8.8 on 6.0		29.5	42.6	13.3	708	18.0	2,335	2,150	65
1875313	LT235/85R16	120/116Q	E	BSW	6.0 - 7.5	9.3 on 6.5		32.0	51.0	14.2	654	18.5	3,042	2,778	80
1854213	LT245/75R16	120/116Q	E	BSW	6.5 - 7.5	9.8 on 7.0		30.7	50.0	13.7	681	18.5	3,042	2,778	80
1854313	LT265/75R16	120/116Q	D	BSW	7.0 - 8.0	10.5 on 7.5		31.9	52.5	14.2	656	18.5	3,000	2,755	65
1911913	LT265/75R16	123/120Q	E	BSW	7.0 - 8.0	10.5 on 7.5		31.9	55.9	12.4	656	18.5	3,415	3,085	80
1917713	LT285/75R16	126/123Q	E	BSW	7.5 - 9.0	11.3 on 8.0		32.8	58.8	14.5	633	18.5	3,750	3,415	80
1912013	LT305/70R16	121/124Q	E	BSW	8.0 - 9.5	12.2 on 9.0		33.1	64.5	14.6	628	18.5	3,195	3,195	65
2107223	LT315/75R16	127/124Q	E	BSW	8.0 - 10.0	12.3 on 8.5		34.5	72.1	22.4	602	21.0	3,860	3,525	65
1911813	LT265/70R17	121/118Q	E	BSW	7.0 - 8.5	10.7 on 8.0		31.9	54.2	14.3	651	18.5	3,195	2,910	80
1871313	LT315/70R17	121/118Q	D	BSW	8.5 - 10.0	12.7 on 9.5		34.6	71.8	15.4	600	18.5	3,195	2,910	50

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall

857

A Commercial Trailer Tire You Can Count On

Application: Trailer

The 857 is a trailer tire with performance characteristics defined through Kumho Tire's over-the-road technology and construction advancements. When durability, reliability and long-mile performance are a must, the 857 delivers the quality and confidence you can count on.

Benefits & Technology

- Increased mileage and overall tire life, with deep zigzag grooves
- Improved ride and reduced noise, features of the straight center groove and sipes on all four tread ribs



Tread Code 857



Product Code	Tire Size	Speed Limit	Ply Rating/ Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs.) @ Cold Infl. Pressure (psi) Single	Max Load (lbs.) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs.)
1575013	185R14C	99	8/D	5.00	6.00	25.6	7.4	11.9	1,874 @ 65	1,764 @ 65	817	10.0	22.2
1575213	195R14C	106	8/D	5.00	6.00	26.2	7.8	12.2	2,094 @ 65	1,984 @ 65	797	9.0	24.7
1577813	205R14C	99	8/D	5.50	6.50	27.0	8.2	12.5	2,271 @ 65	2,150 @ 65	774	10.0	27.0

KUMHO TIRE 
Better. All-Ways

ORIGINAL EQUIPMENT





Road Venture AT (KL78)

Road Venture APT (KL51)

Crugen Premium KL33

Eco Solus KL21

ORIGINAL EQUIPMENT



Model	Model Year	Product Code	Tire Size	Pattern ID	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Load Double (lbs.)	Max Air (psi)
HYUNDAI																		
Accent	07 – 12	2126053	P175/70R14	KH16	84T	-	BSW	440 AA/A	4.5 - 5.5	7.0 on 5.0	23.7	16.3	10.9	879	10.0	1,102	-	44
Accent	07 – 12	2126063	P185/65R14	KH16	85H	-	BSW	440 AA/A	5.0 - 6.5	7.4 on 5.5	23.5	17.4	10.8	890	10.5	1,135	-	44
Accent	08 – 12	2005353	P195/55R15	KH16	84V	-	BSW	440 AA/A	5.5 - 6.5	7.7 on 5.5	23.5	19.1	10.9	891	10.5	1,102	-	44
Accent 3DR	07 – 12	2104503	P205/45R16	KH16	83V	-	BSW	440 A/A	6.5 - 7.5	8.1 on 7.0	23.2	18.9	9.1	894	10.5	1,074	-	44
Accent 3DR	12 – 14	2141143	P195/50R16	KH25	83H	-	BSW	480 A/A	5.0 - 7.0	7.9 on 6.0	23.7	18.4	11.1	877	10.0	1,074	-	44
Tucson	11 – 14	2141833	225/60R17	KL21	99H	-	BSW	500 A/A	6.0 - 8.0	9.0 on 6.5	27.6	27.3	12.6	753	10.0	1,709	-	44
Tucson	11 – 14	2125383	225/55R18	KL21	98H	-	BSW	500 A/A	6.0 - 8.0	9.2 on 7.0	27.8	27.6	12.8	747	10.0	1,653	-	44
Elantra	07 – 12	2125593	P195/65R15	KH16	89T	-	BSW	440 AA/A	5.5 - 7.0	7.9 on 6.0	25.0	19.3	9.8	830	10.0	1,279	-	44
Elantra	07 – 12	1837513	P205/55R16	KH16	89H	-	BSW	440 AA/A	5.5 - 7.5	8.4 on 6.5	24.9	20.9	9.7	835	10.0	1,279	-	44
Elantra	07 – 13	2125583	P185/65R15	KH16	86T	-	BSW	440 AA/A	5.0 - 6.5	7.4 on 5.5	24.5	17.6	9.5	850	10.0	1,168	-	44
Elantra Touring	09 – 12	2125593	P195/65R15	KH16	89T	-	BSW	440 AA/A	5.5 - 7.0	7.9 on 6.0	25.0	19.3	9.8	830	10.0	1,279	-	44
Elantra Touring	09 – 12	1837513	P205/55R16	KH16	89H	-	BSW	440 AA/A	5.5 - 7.5	8.4 on 6.5	24.9	20.9	9.7	835	10.0	1,279	-	44
Elantra Touring	09 – 12	1679713	P215/45R17	KH16	87H	-	BSW	440 A/A	7.0 - 8.0	8.4 on 7.0	24.7	20.6	14.5	841	10.0	2,101	-	44
Sonata	07 – 10	1923413	P215/55R17	KH16	93V	-	BSW	440 A/A	6.0 - 7.5	8.9 on 7.0	26.3	24.1	10.3	790	10.0	1,433	-	44
Sonata	10 – 14	2127403	P205/65R16	KH25	94H	-	BSW	480 A/A	5.5 - 7.5	8.2 on 6.0	26.5	22.9	10.3	785	10.0	1,477	-	44
Sonata	10 – 14	2116043	P215/55R17	KH25	93V	-	BSW	480 A/A	6.0 - 7.5	8.9 on 7.0	26.3	24.1	10.3	790	10.0	1,433	-	44
Sonata Hybrid	11 – 14	2127413	P215/55R17	KH25	93V	-	BSW	480 A/A	6.0 - 7.5	8.9 on 7.0	26.3	24.1	10.3	790	10.0	1,433	-	44
Azera	10 – 12	2113473	P225/60R16	KH25	97H	-	BSW	480 A/A	6.0 - 8.0	8.8 on 6.5	26.6	24.4	12.1	781	10.0	1,609	-	44
Azera	07 – 12	2113483	P235/55R17	KH25	98V	-	BSW	480 A/A	6.5 - 8.5	9.6 on 7.5	27.2	27.7	12.5	764	10.0	1,653	-	44
Azera	13 – 14	2127523	P225/55R17	KH25	95V	-	BSW	480 A/A	6.5 - 8.5	9.2 on 7.0	27.2	25.9	12.4	764	10.0	1,653	-	44
Entourage	07 – 12	1739413	225/70R16	KH16	102T	-	BSW	440 AA/A	6.0 - 7.5	9.1 on 6.5	28.4	27.9	13.1	731	11.0	1,874	-	44
Santa Fe	10 – 12	2122913	P235/65R17	KL21	103T	-	BSW	500 A/A	6.5 - 8.5	9.4 on 7.0	27.6	28.8	13.2	753	11.5	1,929	-	44
Santa Fe	10 – 12	2122953	P235/60R18	KL21	102H	-	BSW	500 A/A	6.5 - 8.5	9.4 on 7.0	29.1	29.4	13.3	714	11.5	1,874	-	44
Santa Fe	13 – 14	2138813	P235/65R17	KL21	103T	-	BSW	500 A/A	6.5 - 8.5	9.4 on 7.0	27.6	28.8	13.2	753	11.5	1,929	-	44
Santa Fe	13 – 14	2147163	P235/55R19	KL33	101H	-	BSW	440 A/A	6.5 - 8.5	9.7 on 7.5	29.2	31.6	14.1	711	11.0	1,819	-	44

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall

INFORMATION CONTINUES ON NEXT PAGE ...



Ecsta V720 ACR

Solus TA31

Solus KH16

Solus KH25

ORIGINAL EQUIPMENT

... CONTINUED FROM PREVIOUS PAGE



Model	Model Year	Product Code	Tire Size	Pattern ID	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Load Double (lbs.)	Max Air (psi)
Santa Fe Long Wheel Base	13 - 14	2152793	235/60R18	KL33	103H	-	BSW	440 A/A	6.5 - 8.5	9.4 on 7.0	29.1	29.6	13.9	714	11.0	1,929	-	44
Santa Fe Long Wheel Base	13 - 14	2147163	P235/55R19	KL33	101H	-	BSW	440 A/A	6.5 - 8.5	9.7 on 7.5	29.2	31.6	14.1	711	11.0	1,819	-	44
Veracruz	07 - 12	1860313	P245/65R17	798	105T	-	BSW	500 A/A	7.0 - 8.5	9.8 on 7.0	29.5	29.9	13.4	704	11.5	2,039	-	44
Veracruz	07 - 12	1860213	P245/60R18	798	104T	-	BSW	500 A/A	7.0 - 8.5	9.8 on 7.0	29.6	30.3	18.3	702	11.5	1,904	-	44
Veloster	11 - 14	2141133	215/40R18	KH25	85V	-	BSW	480 A/A	7.0 - 8.5	8.6 on 7.5	24.8	21.5	9.7	839	10.0	1,135	-	44
KIA																		
Rio	07 - 12	2126053	P175/70R14	KH16	84T	-	BSW	440 A/A	4.5 - 5.5	7.0 on 5.0	23.7	15.9	10.9	879	10.0	1,102	-	44
Rio	07 - 12	2126063	P185/65R14	KH16	85H	-	BSW	440 A/A	5.0 - 6.5	7.4 on 5.5	23.5	16.5	10.8	890	10.5	1,135	-	44
Rio	07 - 12	2126043	P195/55R15	KH16	84V	-	BSW	440 A/A	5.5 - 6.5	7.7 on 5.5	23.5	18.3	10.9	891	10.0	1,102	-	44
Rio	10 - 12	2104503	P205/45R16	KH16	83V	-	BSW	440 A/A	6.5 - 7.5	8.1 on 7.0	23.2	19.3	9.1	894	10.5	1,074	-	44
Rio	12 - 14	2134633	P185/65R15	KH25	86T	-	BSW	480 A/A	5.0 - 6.5	7.4 on 5.5	24.5	17.6	9.5	850	10.0	1,168	-	44
Forte	10 - 13	1679713	P215/45R17	KH16	87H	-	BSW	440 A/A	7.0 - 8.0	8.4 on 7.0	24.6	22.8	9.6	843	10.0	1,201	-	44
Forte	13 - 14	2157843	P195/65R15	KH25	89T	-	BSW	480 A/A	5.5 - 7.0	7.9 on 6.0	25.0	17.6	11.6	840	9.5	1,279	-	44
Forte	13 - 14	2157853	P205/55R16	KH25	89H	-	BSW	480 A/A	5.5 - 7.5	8.4 on 6.5	24.9	19.0	11.7	840	9.5	1,279	-	44
Rondo	07 - 13	1837413	P205/65R15	KH16	92H	-	BSW	440 AA/A	5.5 - 7.5	8.2 on 6.0	25.5	20.7	9.9	818	10.0	1,477	-	44
Rondo	07 - 13	1745613	P205/60R16	KH16	91H	-	BSW	440 AA/A	5.5 - 7.5	8.4 on 6.0	25.6	21.1	11.7	811	10.0	1,356	-	44
Rondo	12 - 13	1775013	P225/50R17	KH16	93H	-	BSW	440 A/A	6.0 - 8.0	9.2 on 7.0	26.3	25.9	10.1	802	10.0	1,433	-	44
Rondo	13 - 14	2158003	225/45R17	KH25	91V	-	BSW	480 A/A	7.0 - 8.5	8.6 on 7.0	25.0	22.3	11.7	836	10.0	1,356	-	44
Optima	07 - 12	1745613	P205/60R16	KH16	91H	-	BSW	440 A/A	5.5 - 7.5	8.4 on 6.0	25.6	21.1	11.7	811	10.0	1,356	-	44
Optima	07 - 12	1756413	P215/50R17	KH16	90V	-	BSW	440 A/A	6.0 - 7.5	8.9 on 7.0	25.5	22.8	9.9	814	10.0	1,433	-	44
Optima	12 - 14	2127403	P205/65R16	KH25	94H	-	BSW	480 A/A	5.5 - 7.5	8.2 on 6.0	26.5	22.9	10.3	785	10.0	1,477	-	44
Optima	12 - 14	2116043	P215/55R17	KH25	93V	-	BSW	480 A/A	6.0 - 7.5	8.9 on 7.0	26.3	24.1	10.3	790	10.0	1,433	-	44
Soul	2014	2162953	205/60R16	TA31	92H	-	BSW	480 A/A	5.5 - 7.5	8.5 on 6.5	25.8	20.9	12.1	808	10.0	1,389	-	44
Soul	2014	2161663	215/55R17	TA31	94V	-	BSW	480 A/A	6.0 - 7.5	8.6 on 6.5	26.3	23.1	12.3	798	10.0	1,477	-	44
Soul	2014	2161673	235/45R18	TA31	94V	-	BSW	480 A/A	7.5 - 9.0	9.1 on 7.5	26.3	26.5	12.5	790	10.0	1,477	-	44

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall

INFORMATION CONTINUES ON NEXT PAGE ...



Road Venture AT (KL78)

Road Venture APT (KL51)

Crugen Premium KL33

Eco Solus KL21

ORIGINAL EQUIPMENT

... CONTINUED FROM PREVIOUS PAGE



Model	Model Year	Product Code	Tire Size	Pattern ID	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Load Double (lbs.)	Max Air (psi)
Amanti	07 – 12	2100403	P225/60R16	KH16	97H	-	BSW	440 AA/A	6.0 - 8.0	8.8 on 6.5	26.6	25.4	12.1	781	10.0	1,609	-	44
Amanti	07 – 12	1861913	P235/55R17	KH16	98V	-	BSW	440 AA/A	6.5 - 8.5	9.6 on 7.5	27.2	27.7	12.5	764	10.0	1,653	-	44
Sedona	07 – 14	1739413	225/70R16	KH16	102T	-	BSW	440 AA/A	6.0 - 7.5	9.1 on 6.5	28.4	27.9	13.1	731	11.0	1,874	-	44
Sedona	13 – 14	1730713	235/60R17	KH16	102T	-	BSW	440 A/A	6.5 - 8.5	9.4 on 7.0	28.1	27.7	12.8	739	11.0	1,874	-	44
Sportage R	10 – 14	2141833	225/60R17	KL21	99H	-	BSW	500 A/A	6.0 - 8.0	9.0 on 6.5	27.6	27.3	12.6	753	10.0	1,709	-	44
Sorento	10 – 13	2122913	P235/65R17	KL21	103T	-	BSW	500 A/A	6.5 - 8.5	9.4 on 7.0	27.6	28.8	13.2	753	11.5	1,929	-	44
Sorento	10 – 13	2122953	P235/60R18	KL21	102H	-	BSW	500 A/A	6.5 - 8.5	9.4 on 7.0	29.1	29.4	13.3	714	11.5	1,874	-	44
Sorento	13 – 14	2138813	P235/65R17	KL21	103T	-	BSW	500 A/A	6.5 - 8.5	9.4 on 7.0	27.6	28.8	13.2	753	11.5	1,929	-	44
Sorento	13 – 14	2152793	235/60R18	KL33	103H	-	BSW	440 A/A	6.5 - 8.5	9.4 on 7.0	29.1	29.6	13.9	714	11.0	1,929	-	44
Sorento	13 – 14	2147163	P235/55R19	KL33	101H	-	BSW	440 A/A	6.5 - 8.5	9.7 on 7.5	29.2	31.6	14.1	711	11.0	1,819	-	44
CHRYSLER																		
Dart	13 – 14	2153653	205/55R16	KH25	91H	-	BSW	480 A/A	5.5 - 7.5	8.4 on 6.5	24.9	20.3	12.1	835	10.0	1,356	-	44
Dart	13 – 14	2141103	225/45R17	KH25	91H	-	BSW	480 A/A	7.0 - 8.5	8.8 on 7.5	25.0	22.0	12.1	832	10.5	1,356	-	44
Grand Cherokee	10 – 14	2125053	P245/65R18	KL21	110H	-	BSW	500 A/A	7.0 - 8.5	9.8 on 7.0	30.5	33.5	14.1	681	10.0	2,337	-	51
Grand Cherokee	10 – 14	2119303	265/60R18	KL21	110H	-	BSW	500 A/A	7.5 - 9.5	10.7 on 8.0	30.5	35.1	13.9	681	10.0	2,337	-	44
Grand Cherokee	10 – 14	2119373	265/50R20	KL21	107V	-	BSW	500 A/A	7.5 - 9.0	10.7 on 8.5	30.5	36.6	14.1	681	10.0	2,149	-	44
Journey	09 – 11	2136043	P225/65R17	KH16	100T	-	BSW	440 A/A	6.0 - 8.0	8.9 on 6.5	28.5	28.0	17.5	729	10.0	1,764	-	44
Journey	12 – 14	2147423	P225/65R17	KH16	100H	-	BSW	440 A/A	6.0 - 8.0	8.9 on 6.5	28.5	28.0	17.5	729	10.0	1,764	-	44
Journey	09 – 14	2139333	P225/55R19	KH16	99H	-	BSW	440 A/A	6.0 - 8.0	9.1 on 7.0	28.9	30.4	13.5	719	10.0	1,709	-	44
Town & Country Grand Caravan	11 – 12	2136043	P225/65R17	KH16	100T	-	BSW	440 A/A	6.0 - 8.0	8.9 on 6.5	28.5	28.0	17.5	729	10.0	1,764	-	44
Town & Country Grand Caravan	12 – 14	2130243	235/60R16	KH25	100H	-	BSW	480 A/A	6.5 - 8.5	9.4 on 7.0	27.1	26.4	10.6	767	10.5	1,764	-	51
Town & Country Grand Caravan	12 – 14	2147423	P225/65R17	KH16	100H	-	BSW	440 A/A	6.0 - 8.0	8.9 on 6.5	28.5	28.0	17.5	729	10.0	1,764	-	44
Patriot	2014	2158943	225/60R17	KL21	99H	-	BSW	500 A/A	6.0 - 8.0	9.0 on 6.5	27.6	27.3	12.6	761	10.0	1,709	-	44
Sprinter	07 – 11	1916113	LT215/85R16	KL78	115/112Q	E	BSW	-	5.5 - 7.0	8.5 on 6.0	30.6	40.2	13.6	688	15.5	2,680	2,470	80
Sprinter	12 – 14	2136053	LT245/75R16	KL51	116/120S	E	BSW	-	6.5 - 8.0	9.8 on 7.0	30.5	41.9	14.1	681	11.5	3,042	2,778	80

XL - Extra Load/Reinforced Tire BSW - Black Sidewall

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Ecsta V720 ACR

Solus TA31

Solus KH16

Solus KH25

ORIGINAL EQUIPMENT

... CONTINUED FROM PREVIOUS PAGE



Model	Model Year	Product Code	Tire Size	Pattern ID	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Load Double (lbs.)	Max Air (psi)
Viper ACR	2015	2203723	P295/25ZR19	V720	90Y	-	BSW	200 A/A	10.0 - 11.0	12.1 on 10.5	24.9	26.9	12.4	-	6.0	1,323	-	51
Viper ACR	2015	2202803	P355/30ZR19	V720	99Y	-	BSW	200 A/A	12.0 - 13.0	14.2 on 12.5	27.5	41.1	13.7	-	6.0	1,709	-	51
GENERAL MOTORS																		
Aveo	08 - 13	1524513	P185/60R14	722	82H	-	BSW	380 A/A	5.0 - 6.0	7.4 on 5.5	22.8	16.1	10.5	913	10.0	1,047	-	44
FORD																		
Focus	09 - 13	2100663	P205/50R16	KH16	86H	-	BSW	440 A/A	5.5 - 7.5	8.4 on 6.5	24.1	20.1	14.0	862	10.5	1,168	-	44
Focus	09 - 13	2103863	P215/45R17	KH16	87H	-	BSW	440 A/A	7.0 - 8.0	8.4 on 7.0	24.7	20.6	14.5	841	10.0	1,201	-	44
Fiesta	10 - 13	2134313	P185/60R15	KH25	84H	-	BSW	480 A/A	5.5 - 6.5	7.4 on 5.5	23.7	17.7	11.0	880	10.0	1,102	-	44
DAIMLER																		
Smart Car	10 - 13	2127323	155/60R15	KH16	74T	-	BSW	440 A/A	4.5 - 5.5	6.2 on 4.5	22.3	13.2	10.4	932	9.0	827	-	44
Smart Car	10 - 13	2127333	175/55R15	KH16	77T	-	BSW	440 A/A	5.0 - 6.0	7.2 on 5.5	22.6	16.0	10.4	919	9.0	908	-	44
CODA																		
Coda	11 - 14	1844613	205/45R17	KU25	88H	XL	BSW	400 A/A	6.5 - 7.5	8.1 on 7.0	24.3	20.7	9.5	857	10.0	1,235	-	50
BMW																		
Mini Cooper GP	2013	2147343	215/40R17	V70A	83W	-	BSW	500 AA/A	7.0 - 8.5	8.6 on 7.5	23.8	20.4	11.2	873	6.0	1,074	-	51
TEMPORARY SPARE TIRES																		
Hyundai Accent	06 - 11	5001343	T115/70D15	121	90L	-	BSW	-	4.0T	4.8 on 4.0	19.8	8.6	10.0	1049	4.0	1,323	-	60
Hyundai Accent	11 - 14	5003273	T125/80D15	121	95M	-	BSW	-	4.0T	5.2 on 4.0	22.9	8.3	10.5	907	4.0	1,521	-	60
Hyundai Elantra	10 - 12	5003273	T125/80D15	121	95M	-	BSW	-	4.0T	5.2 on 4.0	22.9	8.3	10.5	907	4.0	1,521	-	60
Hyundai Azera	06 - 12	5003213	T125/80D16	121	97M	-	BSW	-	4.0T	5.2 on 4.1	24.3	9.1	11.5	855	4.0	1,609	-	60
Hyundai Azera	13 - 14	5007943	T135/80D17	131	103M	-	BSW	-	4.0T	5.4 on 4.0	25.5	12.6	12.0	815	4.0	1,929	-	60
Hyundai Entourage	07 - 12	1763413	T135/90R17	121	104M	-	BSW	-	4.0T	5.4 on 4.0	26.6	13.4	12.3	781	4.5	1,984	-	60
Hyundai Tucson	06 - 14	1583213	T155/90R16	121	110M	-	BSW	-	4.0T	6.0 on 4.0	27.4	14.0	12.5	758	4.0	2,337	-	60
Hyundai Santa Fe	06 - 12	1758613	T165/90R17	121	116M	-	BSW	-	4.0T	6.3 on 4.0	28.7	16.9	13.4	724	4.5	2,756	-	60

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall

INFORMATION CONTINUES ON NEXT PAGE ...



Road Venture AT (KL78)

Road Venture APT (KL51)

Crugen Premium KL33

Eco Solus KL21

ORIGINAL EQUIPMENT

... CONTINUED FROM PREVIOUS PAGE



Model	Model Year	Product Code	Tire Size	Pattern ID	Svc. Desc.	Const.	Sidewall	UTQG	Rim Width Range (in)	Section Width on Reference Rim Width (in)	Diam. (in)	Tire Weight (lbs.)	Static Loaded Radius (in)	RPM	Tread Depth (1/32")	Max Load Single (lbs.)	Max Load Double (lbs.)	Max Air (psi)
Hyundai Santa Fe	13 – 14	5007973	T165/90R17	131	116M	-	BSW	-	4.0T	6.3 on 4.0	28.7	16.1	13.4	724	4.0	2,756	-	60
Hyundai Veracruz	07 – 12	1758613	T165/90R17	121	116M	-	BSW	-	4.0T	6.3 on 4.0	28.7	16.9	13.4	724	4.5	2,756	-	60
Hyundai Sonata	10 – 14	5003213	T125/80D16	121	97M	-	BSW	-	4.0T	5.2 on 4.1	24.3	9.1	11.5	855	4.0	1,609	-	60
Hyundai Genesis	08 – 14	5005273	T135/90D17	121	104M	-	BSW	-	4.0T	5.4 on 4.0	26.6	12.5	12.3	781	4.0	1,984	-	60
Hyundai Genesis Coupe	09 – 14	5005273	T135/90D17	121	104M	-	BSW	-	4.0T	5.4 on 4.0	26.6	12.5	12.3	781	4.0	1,984	-	60
Hyundai Veloster	11 – 13	5003273	T125/80D15	121	95M	-	BSW	-	4.0T	5.2 on 4.0	22.9	8.3	10.5	907	4.0	1,521	-	60
Kia Rio	06 – 12	5001323	T105/70D14	121	83L	-	BSW	-	4.0T	4.6 on 4.0	20.4	6.3	9.4	1,018	4.0	1,074	-	60
Kia Rio	12 – 14	5003273	T125/80D15	121	95M	-	BSW	-	4.0T	5.2 on 4.0	22.9	8.3	10.5	907	4.0	1,521	-	60
Kia Spectra	06 – 11	5001343	T115/70D15	121	90L	-	BSW	-	4.0T	4.8 on 4.0	19.8	8.6	10.0	1,049	4.0	1,323	-	60
Kia Rondo	07 – 14	5003213	T125/80D16	121	97M	-	BSW	-	4.0T	5.2 on 4.1	24.3	9.1	11.5	855	4.0	1,609	-	60
Kia Optima	06 – 12	5003213	T125/80D16	121	97M	-	BSW	-	4.0T	5.2 on 4.1	24.3	9.1	11.5	855	4.0	1,609	-	60
Kia Optima	12 – 14	5007943	T135/80D17	131	103M	-	BSW	-	4.0T	5.4 on 4.0	25.5	12.6	12.0	815	4.0	1,929	-	60
Kia Sedona	06 – 14	1763413	T135/90R17	121	104M	-	BSW	-	4.0T	5.4 on 4.0	26.6	13.4	12.3	781	4.5	1,984	-	60
Kia Sportage	05 – 15	1583213	T155/90R16	121	110M	-	BSW	-	4.0T	6.0 on 4.1	27.4	14.0	12.5	758	4.0	2,337	-	60
Kia Sorento	10 – 12	1758613	T165/90R17	121	116M	-	BSW	-	4.0T	6.3 on 4.0	28.7	16.9	13.4	724	4.5	2,756	-	60
Kia Sorento	12 – 14	5007973	T165/90R17	131	116M	-	BSW	-	4.0T	6.3 on 4.0	28.7	16.1	13.4	724	4.0	2,756	-	60
Dodge Journey	09 – 14	2129653	T145/80R16	121	105M	-	BSW	-	4.0T - 4.5T	5.7 on 4.0	25.1	17.0	11.6	828	4.0	2,039	-	60
Dodge Dart	2014	2141943	T125/80R17	131	99M	-	BSW	-	4.0T	5.2 on 4.0	24.9	13.4	12.5	834	4.0	1,709	-	60
Chevrolet Aveo	06 – 13	5001323	T105/70D14	121	83L	-	BSW	-	4.0T	4.6 on 4.0	20.4	6.3	9.4	1,018	4.0	1,074	-	60
Ford Escape	09 – 13	2107643	T145/90R17	131	98M	-	BSW	-	4.0T	5.7 on 4.0	27.3	16.1	12.5	761	4.0	1,653	-	60

XL - Extra Load/Reinforced Tire

BSW - Black Sidewall

TECHNICAL DATA

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TECHNICAL SERVICE BULLETIN 24"

ECSTA STX 305/35R24 114V

The continued expansion of the plus sizing trend for light trucks and especially sport utility vehicles (SUVs) has created demand for larger and larger rim diameter tire sizes. With sizes available in 20-, 22-, 23-, 24- and 26-inch rim diameters, Kumho is a leader in large rim diameter sizes for the light truck industry. The latest entry to meet consumer demand is the Ecsta STX 305/35R24 114V from Kumho.

Plus-size changeovers require that the new tire and wheel being placed on the vehicle must have sufficient load carrying capacity to support the maximum load of the vehicle. The new Ecsta STX 305/35R24 114V has a rated maximum load capacity of 2,601 lbs. at 50 psi (cold) of air pressure. This information can be found stamped on both sidewalls of the tire. When mounting in a light truck application, pickup truck and/or SUV, the rated maximum load capacity of the tire **MUST BE REDUCED BY** dividing the maximum load capacity of the tire by 1.1. The maximum load capacity of the Ecsta STX 305/35R24 114V on a light truck vehicle is 2,364 lbs., 2,601/1.1, at 50 psi (cold).

It is extremely important that the Ecsta STX 305/35R24 114V not be mounted on vehicles where the maximum vehicle load exceeds the maximum load capacity of the tire. Under no circumstances may the Ecsta STX 305/35R24 114V be mounted in any application where the rated maximum load exceeds 2,601 lbs. (cold) per tire.

To determine the maximum load capacity of a light truck vehicle, the following procedure should be followed:

- Determine the gross axle weight rating of the vehicle, GAWF (front) and GAWR (rear).**
This information can be obtained from the vehicle's certification label found in the glove box or on the inside of the driver's door.
- Divide the LARGER value of GAWF or GAWR by 2.**
This gives you the maximum load on that particular axle per tire.
- Determine the maximum load as marked on the sidewall of the tire.**
For passenger tires used on a light truck vehicle, the maximum load listed on the sidewall must be reduced by dividing by 1.1.
- Compare the load calculated in step #3 to the load calculated in step #2.**
- The tire load calculated in step #3 must exceed the axle load calculated in step #2.**
If the tire load capacity in step #3 is lower than the axle load in step #2, the tire cannot be used on that vehicle.

Using the 2003 Cadillac Escalade as an example, the process is as follows:

- GAWR = 4,000 lbs. (heaviest axle)**
- 4,000 lbs./2 = 2,000 lbs. tire load**
- Rated load for the Ecsta STX 305/35R24 114V is 2,601 lbs.**
2,601/1.1 = 2,364 lbs.
- The 2,364 lbs. tire load exceeds the 2,000 lbs. load of the vehicle**

Therefore, the Ecsta STX 305/35R24 114V can be applied to the 2003 Cadillac Escalade.

Recommendations concerning fitment and recommended air pressure can be obtained by contacting the Kumho Technical Service extension at 1-800-HI-KUMHO (445-8646).

114 LOAD INDEX

bar	1.5	1.6	1.7	1.8	1.9	2	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9
kg	695	735	770	805	840	875	910	945	980	1,015	1,050	1,080	1,115	1,145	1,180
psi	22	24	25	26	28	29	31	32	34	35	36	38	40	41	42-50
lbs.	1,532	1,620	1,697	1,774	1,851	1,929	2,006	2,083	2,160	2,237	2,314	2,380	2,458	2,524	2,601
Light Truck lbs.	1,392	1,472	1,542	1,612	1,682	1,753	1,823	1,893	1,963	2,033	2,103	2,163	2,234	2,294	2,364

Maximum inflation pressure is 50 psi without an increase in load.

TECHNICAL SERVICE BULLETIN 26"

ECSTA STX 305/30R26 110V

The continued expansion of the plus sizing trend for light trucks and especially sport utility vehicles (SUVs) has created demand for larger and larger rim diameter tire sizes. With sizes available in 20-, 22-, 23- and 24-inch rim diameters, Kumho is a leader in large rim diameter sizes for the light truck industry. The latest entry to meet consumer demand is the Ecsta STX 305/30R26 110V from Kumho. Kumho is the first tire manufacturer to offer a 26-inch rim diameter size for the replacement tire market.

Plus-size changeovers require that the new tire and wheel being placed on the vehicle must have sufficient load carrying capacity to support the load of the vehicle. The new Ecsta STX 305/30R26 110V has a maximum load capacity of 2,337 lbs. and a maximum inflation pressure at 50 psi (cold) of air pressure. These two maximum conditions are stamped on the sidewalls of the tire. When mounting in a light truck application, pickup truck and/or SUV, the maximum load carrying capacity of the tire **MUST BE REDUCED** BY dividing the maximum load capacity listed on the tire's sidewall by 1.1. The maximum load capacity of the Ecsta STX 305/30R26 110V on a light truck vehicle is 2,124 lbs., $2,337/1.1$, with MINIMUM inflation of this load being 42 psi and the maximum inflation being 50 psi.

It is extremely important that the Ecsta STX 305/30R26 110V not be mounted on vehicles where the load exceeds the maximum capacity of the tire. Under no circumstances may the Ecsta STX 305/30R26 110V be mounted in an application where the maximum axle loading, either GAWF or GAWR load, exceeds 2,124 lbs. per tire.

To determine the maximum load capacity of a light truck vehicle, the following procedure should be followed:

- Determine the gross axle weight rating of the vehicle, GAWF (front) and GAWR (rear).**
This information can be obtained from the vehicle's certification label found in the glove box or on the inside of the driver's door.
- Divide the LARGER value of GAWF or GAWR by 2.**
This gives you the maximum load on that particular axle per tire.
- Determine the maximum load as marked on the sidewall of the tire.**
For passenger tires used on a light truck vehicle, the maximum load listed on the sidewall must be reduced by dividing by 1.1.
- Compare the load calculated in step #3 to the load calculated in step #2.**
- The tire load calculated in step #3 must exceed the axle load calculated in step #2.**
If the tire load capacity in step #3 is lower than the axle load in step #2 the tire cannot be used on that vehicle.

Using the 2003 Cadillac Escalade as an example, the process is as follows:

- GAWR = 4,000 lbs. (heaviest axle)**
- $4,000 \text{ lbs.} / 2 = 2,000 \text{ lbs.}$ tire load**
- Rated load for the Ecsta STX 305/30R26 110V is 2,337 lbs.**
 $2,337 / 1.1 = 2,124 \text{ lbs.}$
- The 2,124 lbs. tire load exceeds the 2,000 lbs. load of the vehicle**

Therefore, the Ecsta STX 305/30R26 110V can be applied to the 2003 Cadillac Escalade.

Recommendations concerning fitments and recommended air pressure can be obtained by contacting the Kumho Technical Service extension at 1-800-HI-KUMHO (445-8646).

110 LOAD INDEX

kPa	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290
kg	625	660	690	725	755	785	820	850	880	910	940	970	1,000	1,030	1,060
psi	22	23	25	26	28	29	31	32	34	35	37	38	39	41	42-51
lbs.	1,375	1,452	1,518	1,595	1,661	1,727	1,804	1,870	1,936	2,002	2,070	2,135	2,201	2,267	2,337
Light Truck lbs.	1,250	1,320	1,380	1,450	1,510	1,570	1,640	1,700	1,760	1,820	1,880	1,940	2,000	2,061	2,124

Maximum inflation pressure is 50 psi without an increase in load.

TECHNICAL SERVICE BULLETIN 28"

ECSTA STX 325/35R28 120V

The continued expansion of the plus sizing trend for light trucks and especially sport utility vehicles (SUVs) has created demand for larger and larger rim diameter tire sizes. With sizes available in 20-, 22-, 23-, 24- and 26-inch rim diameters, Kumho is a leader in large rim diameter sizes for the light truck industry. The latest entry to meet consumer demand is the Ecsta STX 325/35R28 120V from Kumho. Kumho is the first tire manufacturer to offer a 28-inch rim diameter size for the replacement tire market.

Plus-size changeovers require that the new tire and wheel being placed on the vehicle must have sufficient load carrying capacity to support the load of the vehicle. The new Ecsta STX 325/35R28 120V has a rated maximum load capacity of 3,086 lbs. at 50 psi (cold) of air pressure. When mounting in a light truck application, pickup truck and/or SUV, the rated maximum load capacity of the tire **MUST BE REDUCED BY** dividing the maximum load capacity found on the tire's sidewall by 1.1. The maximum load capacity of the Ecsta STX 325/35R28 120V on a light truck vehicle is 2,805 lbs., 3,086/1.1, at 50 psi (cold).

It is extremely important that the Ecsta STX 325/35R28 120V not be mounted on vehicles where the load exceeds the maximum load capacity of the tire. Under no circumstances may the Ecsta STX 325/35R28 120V be mounted in an application where the rated maximum load exceeds 2,805 lbs. (cold) per tire.

To determine the maximum load capacity of a light truck vehicle, the following procedure should be followed:

- Determine the gross axle weight rating of the vehicle, GAWF (front) and GAWR (rear).**
This information can be obtained from the vehicle's certification label found in the glove box or on the inside of the driver's door.
- Divide the LARGER value of GAWF or GAWR by 2.**
This gives you the maximum load on that particular axle per tire.
- Determine the maximum load as marked on the sidewall of the tire.**
For passenger tires used on a light truck vehicle, the maximum load listed on the sidewall must be reduced by dividing by 1.1.
- Compare the load calculated in step #3 to the load calculated in step #2.**
- The tire load calculated in step #3 must exceed the axle load calculated in step #2.**
If the tire load capacity in step #3 is lower than the axle load in step #2 the tire cannot be used on that vehicle.

Using the 2003 Cadillac Escalade as an example, the process is as follows:

- GAWR = 4,000 lbs. (heaviest axle)**
- 4,000 lbs./2 = 2,000 lbs. tire load**
- Rated load for the Ecsta STX 325/35R28 120V is 3,086 lbs.**
3,086/1.1 = 2,805 lbs.
- The 2,805 lbs. tire load exceeds the 2,000 lbs. load of the vehicle**

Therefore, the Ecsta STX 325/35R28 120V can be applied to the 2003 Cadillac Escalade.

Recommendations concerning fitment and recommended air pressure can be obtained by contacting the Kumho Technical Service extension at 1-800-HI-KUMHO (445-8646).

120 LOAD INDEX

bar	1.5	1.6	1.7	1.8	1.9	2	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9
kg	825	870	915	955	1,000	1,040	1,080	1,120	1,165	1,205	1,245	1,285	1,320	1,360	1,400
psi	22	23	25	26	28	29	31	32	34	35	37	38	39	41	42-51
lbs.	1,819	1,918	2,018	2,106	2,205	2,293	2,381	2,470	2,569	2,657	2,745	2,833	2,911	2,999	3,086
Light Truck lbs.	1,654	1,744	1,834	1,914	2,005	2,085	2,165	2,245	2,335	2,415	2,496	2,576	2,646	2,726	2,805

Maximum inflation pressure is 50 psi without an increase in load.

TECHNICAL DATA

FUNCTIONS OF A TIRE

Any tire that is mounted on any vehicle has four basic functions.

Function #1: The tire supports the vehicle by holding air.

The air inside a tire is what supports a vehicle's load, not the tire itself. The tire's structure is made to contain the air that supports the weight of the vehicle.

Function #2: The tire maintains and changes vehicle direction.

The four tires, specifically the four postcard-sized patches of rubber that are in contact with the road surface, are what enable a driver to control the vehicle at any given moment. Changing or maintaining the direction of the vehicle is only possible because of the tires.

Function #3: The tire transmits braking and acceleration forces to the road.

Function #4: The tire absorbs shock from the road surface.

As a vehicle rolls over road surface irregularities, the tires constantly flex up and down, changing shape. The tires isolate the wheels from these irregularities and work with the vehicle's suspension to absorb shock.

DOT SERIAL NUMBER

The DOT serial number indicates that the tire is certified by the manufacturer to meet or exceed the standards of the United States Department of Transportation. Federal law provides that tire dealers can record the DOT identification numbers along with the tire buyer's name and address.

DOT H2YO274TCO 3807

"3807" is the code that indicates the date of manufacturing. The first two digits represent the week and the last two, the year.

UTQG: UNIFORM TIRE QUALITY GRADING

The Uniform Tire Quality Grading, or UTQG information, appears on the sidewall of every tire and is required by the United States Department of Transportation. This information system indicates the relative tread wear, traction and temperature resistance performance of tires used in the United States. The tread wear grade is a comparative rating based on the wear rate of the tire when tested in a controlled environment.

A tire graded 400 should wear twice as well as a tire graded 200 in that environment. Comparisons tend to be more accurate when comparing tires of similar performance. Therefore, ultra-high performance tires should be compared to other ultra-high performance tires, touring tires to touring tires, and so forth.

Traction grades range from AA — the highest — through C — the lowest standard. They represent a tire's ability to stop on

wet asphalt and concrete. Wet traction testing is done under straight-line braking conditions. Temperature grades, also from highest to lowest, are A, B and C, with C being the minimum DOT standard. They represent a tire's resistance to heat at high speeds and are relative to speed ratings.

TIRE SIZE/LOAD INDEX/SPEED RATING

This combination of numbers and letters designates a tire's size, load index and speed rating. This particular code is an example of the ISO-metric sizing system.

TIRE SIZE: SIZE MEASUREMENT/PROFILE/ASPECT RATIO

225/45R17

1. **225** - This three-digit size measurement indicates, in millimeters, the section width of a new tire with normal sidewalls, but not including protective side ribs, bars or decorations. The width measurement is assumed to be on the "design rim" as specified by the Tire and Rim Association (TRA)(USA) or the European Tyre and Rim Technical Organization (ETRTO)(EU).
2. **45** - This two-digit number is a percentage amount that indicates a tire profile — the ratio of a tire's section width to its section height. The profile is also referred to as a "series," as in "a 45-series tire." In this example, the tire's profile is 45% of the 225-millimeter section width.

Long ago, 100-series tires were common, meaning the width and height were equal. Today, tires are wider — with aspect ratios between 25 and 80 — because wider tires improve a vehicle's cornering and overall handling performance.

3. **R** - The R stands for "radial," referring to the tire's radial-ply construction, which is the industry standard. Radial describes a pneumatic or inflatable tire structure in which the ply cords extend to the beads and are laid at 90 degrees to the centerline of the tread. The casing of a radial tire is stabilized by the circumferential steel belt package.
4. **17** - This two-digit number is the diameter of the rim, measured in inches. This tire has a rim diameter of 17 inches. Note that the measurement of a tire's rim diameter should always match the measurement of the wheel it is mounted on. There should be no variation, even by one-half inch. The practice of mounting tires on mismatched wheels is extremely dangerous and should not be attempted.

LOAD INDEX

1. The load index is a numerical code associated with the maximum weight one tire can carry at the speed indicated by its speed rating and its maximum inflation pressure. (The alphabetical speed rating appears immediately after the load index.)

TECHNICAL DATA

- Three factors determine the load index of a tire: the size of the air chamber between the tire and wheel, the strength provided by the tire's ability to hold air pressure and the actual amount of air pressure in the tire.

195/55R15 85V

- 85** - The higher the tire's load index, the greater its load-carrying capacity. For example, a load index of 85 means that the fully-inflated tire in good condition can carry 1,135 lbs. The normal load index range for passenger car tires and light trucks is between 80 and 128.

Note that many tire models offer certain sizes with an "extra load" designation. This higher number indicates that the tire features extra reinforcement to increase the overall load capacity.

- It's important to determine a customer's driving needs with regard to what is needed for a load capacity. An SUV used to take children back and forth to school will not require the same load-indexed tire as an SUV that's used for hauling or other industrial purposes. That knowledge will help your customers refine their choice of a tire that's right for their driving style — and their lifestyle.
- The chart shows the range of load capabilities from 761 lbs. to 3,690 lbs. and the corresponding load indexes.

TRA (P-METRIC) LOAD CARRYING CAPACITY

Tire Size	kPa psi	180	200	220	240	250	Load Index
		26	29	32	35	36	
P235/50R17 P-Metric	kg	600	635	665	690		95
	lbs.	1,323	1,400	1,466	1,521		

Tire load limits at various cold inflation pressures.

SPEED RATING

- The speed rating indicates the maximum speed at which a tire can perform while carrying a load corresponding to its load index. A speed rating is based on tests performed on a tire in a controlled indoor environment, at a moderate temperature, with proper inflation, running straight without camber.
- A tire's designated usage dictates its speed rating. Q ratings are common for off-road tires. Traditional passenger/touring tires are often S and T rated, while Z ratings are typical for performance tires. The most common ratings are S, T, H, V and Z.
- A rating of Z was originally used to indicate a tire with a maximum performance capability of more than 149 mph. The W and Y ratings were established later, when higher speed vehicle and tire capabilities became more widely available.

- Tires with a maximum speed capability of 186 mph have their service description presented as 275/40ZR17 93Y. Tires with a speed performance capability in excess of 186 mph are indicated by the service description presented in parentheses.

- (275/40ZR17 (93Y*))
It's important for you to know that even though the tire industry refers to this quality indicator as a "speed rating," often in practical application a sale can be compromised due to this somewhat misleading term. That's why, as you educate your customers about Kumho products, it's critical that you make them understand the difference between "speed rating" and "performance."

- As with nearly all tire manufacturers, Kumho designs its tires with full knowledge of the speed rating and takes steps to ensure the handling capabilities are matched to it. Therefore, a speed rating is correlated to performance. However, speed ratings do not sanction operation beyond what is permissible by law. Even in unrestricted environments, safety awareness, proper equipment and training is required for safe operation.

- It's just as important to make your customers aware that a speed rating applies only to the tire, not to the vehicle on which the tire is mounted. However, it's important to equal or exceed the vehicle's OEM tire speed rating to preserve proper vehicle handling. Customers often resist the price of higher speed-rated tires because, as they often comment, "I don't drive that fast." However, tire specifications are an important component of the engineering that goes into a modern automotive chassis. Installing replacement tires that equal or exceed the specifications of the original equipment tires is critical in helping the vehicle maintain its maneuverability in emergency situations.

- The chart offers you the complete range of speed ratings at a glance.

(See next page.)

TECHNICAL DATA

SPEED SYMBOLS/RATINGS

Speed Symbol	Speed (km/h)	Speed (mph)	ZR*
A1	5		
A2	10		
A3	15		
A4	20		
A5	25		
A6	30		
A7	35		
A8	40		
B	50		
C	60		
D	65		
E	70		
F	80	50	
G	90	55	
J	100	62	
K	110	68	
L	120	75	
M	130	81	
N	140	87	
P	150	93	
Q	160	99	
R	170	106	
S	180	112	
T	190	118	
U	200	124	
H	210	130	
V	240	149	
W	270	168	ZR
Y	300	186	ZR
	Above 300 km/h	186+	ZR

*For tires with a maximum speed capability above 240 km/h (149 mph), a "ZR" may appear in the size designation. For tires having a maximum speed capability above 300 km/h (186 mph), a "ZR" must appear in the size designation and a Service Description, including the Y Speed Symbol, must be included in brackets.

Example:

Tire Size	Speed
P275/40ZR17	240 km/h (149 mph)
P275/40ZR17 93Y	300 km/h (186 mph)
P275/40ZR17 93Y	300 km/h (186 mph)
P275/40ZR17 (93Y)	Above 300 km/h (186 mph)

TIRE SIZING, LOAD AND INFLATION STANDARDS

Tire load inflation tables for passenger cars and light truck vehicles are based on numerous standards put forth by organizations including The European Tyre and Rim Technical Organization (ETRTO) (EU), The Tire and Rim Association (TRA) (USA) and The Japan Automotive Tyre Manufacturers Association (JATMA).

TIRE SIZING SYSTEMS

Not all tire sizing systems are alike. While the ISO-metric sizing designation is the most commonly used system in the United States, there are a total of nine used in the industry.

NUMERIC SYSTEM

8.25 – 16

The first system developed for sizing provided the nominal section width of a tire — 8.25 inches in this example — and its rim diameter — 16 inches. The numeric system is still used today to measure some smaller tires, including those used for trailers.

ALPHA-NUMERIC SYSTEM

B78 – 13

With this system, a tire's load-bearing capacity, construction type, aspect ratio and rim diameter could be determined at a glance. The first letter is the load rating, ranging from "A" to "N." The closer the letter is to the end of the alphabet, the larger the tire size and the higher the load capacity. The "R" was added to the system later to denote radial belt construction. The center two-digit number introduced the aspect ratio for the first time, while the last two digits indicated the rim diameter.

METRIC SYSTEM

225/45R17

The metric system is the most common tire sizing system in use around the world. It is in essence a conversion of the old numeric system with a tire's section width measured in millimeters instead of inches. The components of the metric sizing system include the section width, the aspect ratio, the internal construction type — in this example, "radial" — and the rim diameter. In this system all the basic dimensions can be identified from the size.

MILLIMETRIC SYSTEM

235-710R460

The millimetric sizing system is the same as the basic metric system, with one difference: like the cross-section width, the rim diameter is also measured in millimeters. It's important to always mount a millimetric tire on a millimetric rim. A millimetric tire will not seat correctly at the bead on an inch-sized rim designation, creating a safety hazard.

P-METRIC SYSTEM

P235/75R15

In order to have a more descriptive sizing system, the P-metric system was created. It is identical to the metric system except for the first letter. The "P" was added to indicate "passenger tire." For light trucks, the letters "LT" were added. In most cases, a metric tire can be substituted for a P-metric tire and vice versa. For example, a P195/75R14 tire is interchangeable with a 195/75R14. On low aspect ratio tires of 45 series or less, check the actual load index of the tire to confirm its suitability for the application.

TECHNICAL DATA

ISO METRIC SYSTEM

235/45R17 94H

The ISO metric sizing system, developed by the International Standards Organization, adds an extra service description to the basic metric sizing system, providing two more valuable pieces of information to the customer: the tire's load index and speed rating. They are shown following the rim diameter measurement. In this example, the tire's load index is 94, which translates to a 1,477-pound capacity and its speed rating is H, which means it is certified for extended performance up to 130 mph.

LIGHT TRUCK NUMERIC SYSTEM

7.50R16LT D

Like the basic numeric system for cars, the light truck numeric sizing system shows the internal construction as well as the section width and rim diameter in inches, but with the addition of the tire's designation for light truck use (LT). The letter "D" at the end of the size coding represents the load range of the tire.

LIGHT TRUCK HIGH FLOTATION SYSTEM

31X10.50R15LT C

The light truck high flotation sizing system is identical to the light truck numeric system, with the overall diameter, section width and rim diameter each measured in inches, but with the addition of the diameter of the full tire added to the beginning. The letter "C" represents the load range of the tire.

LIGHT TRUCK METRIC SYSTEM

LT265/75R16 C

The light truck metric system is similar to the P-metric system for passenger cars, except here the "P" prefix is replaced with the "LT" — Light Truck — designation. This indicates that the tire is suitable for the typically heavier loads of light truck usage. The letter "C" represents the load range of the tire.

P-METRIC VS. ISO METRIC (METRIC OR HARD METRIC)

Understanding the differences between P-metric and ISO metric is important in recommending the correct inflation pressure value. The TRA developed the P-metric and ETRTO developed ISO metric, or hard metric systems. As an example, a P235/50R17 95H can carry a maximum load of 1,521 lbs. @ 35 psi while 235/50R17 96W has a maximum load carrying capacity of 1,566 lbs. @ 36 psi. Tires with the same load index may carry the same load, however, there are exceptions. These exceptions will need different inflation values.

TRA VS. ETRTO (P-METRIC VS. ISO METRIC LOAD CARRYING CAPACITY)

Tire Size	kPa psi	180	200	220	240	250	Load Index
		26	29	32	35	36	
P235/50R17 P-metric	kg lbs.	600	635	665	690		95
		1,323	1,400	1,466	1,521		
235/50R17 ISO-metric	kg lbs.	545	595	640	685	710	96
		1,202	1,312	1,312	1,411	1,566	

COLD INFLATION PRESSURE

One question that is often asked is, "When should I check my tire pressures?" Your tires should be checked when they are cold. The ideal situation is when a vehicle has been parked overnight. If this is not possible, the following parameters need to be followed: check tire pressures when the vehicle has been driven less than one mile; or after a trip, allow a three-hour cool-down period before the check.

PRESSURE UNIT CONVERSION TABLE

kPa	bar	psi	kg/cm ²
100	1.0	15	1.0
150	1.5	22	1.5
200	2.0	29	2.0
250	2.5	36	2.6
300	3.0	44	3.1
350	3.5	51	3.6
400	4.0	58	4.1
450	4.5	65	4.6
500	5.0	73	5.1
550	5.5	80	5.6
600	6.0	87	6.1
650	6.5	94	6.6
700	7.0	102	7.1
750	7.5	109	7.7
800	8.0	116	8.2
850	8.5	123	8.7
900	9.0	131	9.2
950	9.5	138	9.7
1,000	10.0	145	10.2
1,050	10.5	152	10.7

TECHNICAL DATA

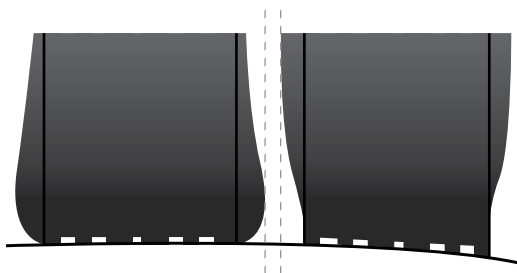
STANDARD LOAD VS. REINFORCED LOAD (RF) OR EXTRA LOAD (XL)

“Reinforced” and “extra load” terms are one and the same in meaning. Both indicate a tire’s ability, due to construction, to carry additional load capacity at higher inflation pressures compared to a tire that is stamped “standard load.”

DUAL LOAD VS. SINGLE LOAD

DUAL LOAD VS. SINGLE LOAD: DUAL APPLICATION FOR LIGHT TRUCK USAGE

On some vehicles two wheels and tires are mounted on each side of an axle. These applications are referred to as dual applications. When tires are mounted in a dual application, the max load of the tire is reduced compared to the same tire size mounted in a single application. The reason for the difference is to keep the tire sidewalls from making contact in a dual application when a vehicle is loaded. Another reason is due to the crown of the road that may cause the tires to reflect differently.



DOT R-COMPOUND CARE & MAINTENANCE

CARE AND FEEDING OF THE KUMHO V710

The Ecsta V710, Ecsta W710 and Ecsta V700 Victoracer are the DOT legal competition tires. Kumho’s Ecsta DOT-approved high-performance tires are designed for autocross and road-racing applications.

RECOMMENDATIONS

The following recommendations are provided to help you get the performance out of your new Kumho V710 and Victoracer tires as safely as possible. However, auto racing and racing-like activities may be dangerous and may result in property damage, personal injury or death. Always approach the performance limits of your car and its tires with appropriate caution.

TIRE MOUNTING

While mounting and balancing V710 tires on your wheels should be left to a professional with the proper equipment, there are several factors that you should confirm with your installer before he mounts your tires. The V710 tires feature asymmetric tread designs and “SIDE FACING OUTWARDS”

and “SIDE FACING INWARDS” messages are branded on their sidewalls. New tires should always be installed accordingly.

Today, there is only one part number for each size tire and experience has shown that V710 tires can be installed on either side of the car, run at any wheel position and are not required to be run directionally.

Because a tire-mounting lubricant should be used when installing V710s, it is best to mount your tires far ahead of their use in competition to minimize possible tire slippage on the wheel, which might affect balance. Slippage can be confirmed by running a chalk line vertically across the wheel flange onto the tire sidewall. If the line doesn’t remain lined up after competition use, some slippage has occurred and wheel balance should be rechecked.

TIRE BREAK IN

The V710 does require break in. New tires will be slippery for their first laps and will begin to feel better as they get scuffed in and build up heat. We recommend that drivers heat cycle their tires 3–5 laps before using them in competition. Heat cycling helps you get the most consistent performance and tread life out of your tires. It is the process of gently bringing the tires up to temperature for a short duration and letting them cool. Ideally, you should break in your tires, remove them from your vehicle and set them aside for more than 24 hours before your track sessions and races. Often, this requires running a practice session on new tires to prepare them for a future race, while you use tires prepared previously for the current race. Tire Rack offers an automated heat cycling service, which can complete this process before your tires are delivered to you.

INFLATION PRESSURES

The V710 will work well on most cars with inflation pressures between 35 – 40 psi (“cold” inflation pressures for autocross use and “hot” inflation pressures for racing use). Kumho Tire has found that most stock suspension wheel rates require hot inflation pressures in the 35–40 psi range. With aggressive suspension rates and good roll-control wheel rates, you can reduce your hot inflation pressures to around 28–32 psi. Cars that are light, well balanced and relatively easy on tires will find that slightly lower pressures may work for them, while heavy, high-horsepower cars that are generally harder on tires may find that they need slightly higher inflation pressures.

Generally adding air pressure in small increments (2 psi) to the tires on the opposite end of the car that loses traction first works best. For example, if a car is understeering, add pressure to the rear tires. If the car is oversteering, add pressure to the front tires.

TIRE TEMPERATURES

Tire temperatures are taken with a tire pyrometer, which can measure how hard your tires are working and how evenly the work was distributed between them during the most recent corners. While the V710 tread compound operates well

TECHNICAL DATA

over a broad temperature range, it is most effective in the 180° to 220° F range, with 200° F being optimum for most applications.

When preparing to take tire temperatures, the driver should enter the pits using moderate braking. The temperatures of the car's outside tires on the last corner should be taken first, followed by the inside tires. Depending on the distance from the last corner to the pits, tire temperatures may not be even across the tread face. Your first goal is to achieve an even temperature spread between the tire's outside shoulder, center and inside shoulder.

ALIGNMENT SETTINGS

Your vehicle's alignment settings can influence the performance and durability of your tires and often can be adjusted to maximize their capabilities. Like most tires, the V710 features a symmetric internal construction and will require little negative camber to achieve its full potential. If camber is adjustable, most cars will perform best when camber is adjusted into the -0.5° to -1.5° range. Vehicles with a stock suspension should use the higher end of the recommended range for camber setting to ensure proper grip and durability to compensate for added body roll experienced during on-track driving. The tread profile of the V710 is very round compared to our previous generation tires. The shoulder area of the tread must be allowed to work to perform properly. This means allowing the tire to roll over onto the shoulder area by reducing the amount of negative camber. Caster settings can enhance straight-line stability and cornering traction, and if adjustable, should be set at the maximum positive value for the vehicle. Toe settings may be adjusted to enhance steering response and corner turn in.

RAIN CONDITIONS

Because wet track conditions are frequently different and always changing, you need to use your best judgment when selecting tires for driving in the rain. For damp conditions where standing water is not present and water evacuation is not required, V710 tires can be used. Standing water should be avoided whenever possible and full rain tires should be used if any standing water is present. However, like all tires, the V710 will be forced to hydroplane when its tread design's ability to remove water is exceeded by the vehicle's speed and/or the water's depth.

Most cars should begin by using cold inflation pressures for wet track conditions that are 3 to 5 psi below the cold inflation pressures they use in their tires for a dry track.

BETWEEN SESSION TIRE INSPECTIONS

Tire inspections between sessions should be used to remove all rubber pickup from the wheels and tire treads, as well as to examine the tires for punctures or cuts that might lead to compound tearing or air pressure loss. The inspection should also confirm if each tire's tread compound splice (that runs perpendicular to the direction of travel across the tread area)

has become visible.

A visible tread splice is caused by tearing open the tread compound junction at the tread splice. Visible tread splices are caused by the torque of the engine spinning the tires during acceleration or the stopping power of the brakes briefly sliding the tires when slowing from high speeds. Front wheel drive and most all wheel drive vehicles place extreme stress on the front tires from both acceleration and braking forces and are therefore more likely to see these visible signs of use than more balanced rear wheel drive vehicles.

If a visible tread splice is detected during tire inspections, the tire should be rotated side-to-side on the same axle. This will then use the vehicle's wheel spin to "close" the splice rather than continuing to "open" it. While this may cause the tread splice to become visible on the other tire used on the same axle, the inspections and side-to-side rotations should be repeated until the tire has worn out.

Note: Continued use of a tire with a visible tread splice in the same wheel position will cause the tread compound to tear downstream from the splice, forcing the tire to be removed from service.

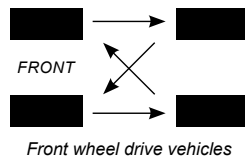
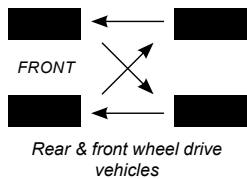
The tires on very high horsepower cars should be rotated side-to-side between every session as preventative maintenance.

TECHNICAL DATA

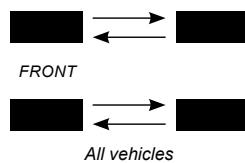
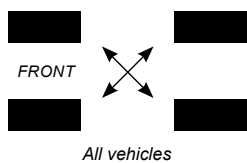
TIRE ROTATION CHART

Only where tires are the same type and size

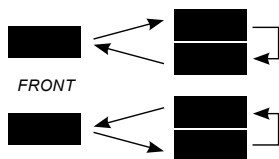
Preferred rotation patterns



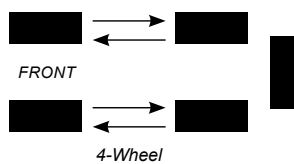
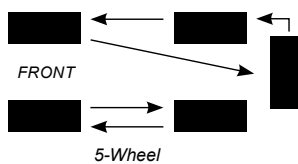
Alternate rotation patterns



Dual wheel rotation patterns



Unidirectional rotation patterns



TECHNICAL DATA

Tire Load Index Chart The maximum load a tire can carry at various cold inflation pressures

Load Index	kg	lbs.	Load Index	kg	lbs.	Load Index	kg	lbs.	Load Index	kg	lbs.
70	335	740	96	710	1,565	122	1,500	3,305	148	3,150	6,940
71	345	760	97	730	1,610	123	1,550	3,415	149	3,250	7,160
72	355	785	98	750	1,655	124	1,600	3,525	150	3,350	7,390
73	365	805	99	775	1,710	125	1,650	3,640	151	3,450	7,610
74	375	825	100	800	1,765	126	1,700	3,750	152	3,550	7,830
75	387	855	101	825	1,820	127	1,750	3,860	153	3,650	8,050
76	400	880	102	850	1,875	128	1,800	3,970	154	3,750	8,270
77	412	910	103	875	1,930	129	1,850	4,080	155	3,875	8,540
78	425	935	104	900	1,985	130	1,900	4,190	156	4,000	8,820
79	437	965	105	925	2,010	131	1,950	4,300	157	4,125	9,090
80	450	990	106	950	2,095	132	2,000	4,410	158	4,250	9,370
81	462	1,020	107	975	2,150	133	2,060	4,540	159	4,375	9,650
82	475	1,045	108	1,000	2,205	134	2,120	4,675	160	4,500	9,920
83	487	1,075	109	1,030	2,270	135	2,180	4,805	161	4,625	10,200
84	500	1,100	110	1,060	2,335	136	2,240	4,940	162	4,750	10,500
85	515	1,135	111	1,090	2,405	137	2,300	5,070	163	4,875	10,700
86	530	1,170	112	1,120	2,470	138	2,360	5,205	164	5,000	11,000
87	545	1,200	113	1,150	2,535	139	2,430	5,355	165	5,150	11,400
88	560	1,235	114	1,180	2,600	140	2,500	5,510	166	5,300	11,700
89	580	1,280	115	1,215	2,680	141	2,575	5,675	167	5,450	12,000
90	600	1,325	116	1,250	2,755	142	2,650	5,840	168	5,600	12,300
91	615	1,355	117	1,285	2,835	143	2,725	6,005	169	5,800	12,800
92	630	1,390	118	1,320	2,910	144	2,800	6,175	170	6,000	13,200
93	650	1,435	119	1,360	3,000	145	2,900	6,395			
94	670	1,475	120	1,400	3,085	146	3,000	6,610			
95	690	1,520	121	1,450	3,195	147	3,075	6,780			

Selection of Load Index numbers — select the Load Index number with the equivalent load of the tire (round up at mid-point). If the tire maximum load rating is only given in customary units, convert that load to kilograms and then select the closest Load Index equivalent (kg) load. (Data received from TRA.)

KUMHO TIRE⁷
Better, All-Ways

**REPLACEMENT AND ORIGINAL
EQUIPMENT WARRANTY POLICIES**



REPLACEMENT EQUIPMENT WARRANTY POLICIES

KUMHO CONSUMER WARRANTY FOR PASSENGER AND LIGHT TRUCK TIRES KUMHO AND MARSHAL BRAND LIMITED WARRANTY

Congratulations! You have just purchased high quality tires from Kumho Tire U.S.A., Inc. This limited warranty covers the KUMHO and Marshal brand of passenger and light truck tires.

I. WHAT IS WARRANTED AND WHO IS ELIGIBLE UNDER THIS WARRANTY

Kumho Tire U.S.A., Inc., 133 Peachtree Street, NE Suite 2800, Atlanta, GA 30303, warrants to the original consumer purchaser that all KUMHO replacement radial tires either directly or through an authorized KUMHO dealer, and which are mounted on cars within the U.S.A., and becomes unserviceable for any reason within the manufacturers control, such tire will be replaced with an equivalent KUMHO tire.

WHAT IS COVERED BY THE WARRANTY AND HOW LONG

Should any tire manufactured by Kumho Tire Co., Inc. covered by this warranty become unserviceable due to a material or workmanship condition during its useable tread life (more than 2/32" remaining tread) before 6 years from the date of manufacture or purchase date supported with proof of purchase for every passenger and light truck tire (whichever comes first), and before 5 years (6 years for KLS02e, KLD01e, and KLT02e patterns) from the date of manufacture or purchase date for commercial truck tires (whichever comes first), KUMHO will do either of the following:

- A. During the first 2/32" of the original usable tread, Kumho will replace such tire with a comparable new KUMHO or Marshal tire free of charge. Applicable taxes on the new tire and costs of mounting and balancing and any other service charges are payable by the owner.
- B. After the first 2/32" of the original usable tread, a credit percentage will be given toward the purchase price of a comparable new Kumho or Marshal tire effective at the time of adjustment. Applicable taxes on the new tire and costs of mounting and balancing service are payable by the owner.

To obtain the credit percentage, please refer to Adjustment Credit Percentage Table or utilize the following example:

RTD = Remaining Tread Depth
OTD = Original Tread Depth

If RTD = 5 and OTD = 10, the calculation is:

$$\frac{\text{Remaining Usable Tread Depth (5-2)}}{\text{Original Usable Tread Depth (10-2)}} = \frac{3}{8} = .375 = 38\%$$

C. Temporary Spare Tire

During the first 1/32" of the original usable tread, Kumho

will replace such temporary tire with a comparable new Kumho temporary tire free of charge. After the first 1/32" of the original usable tread, but less than 2/32", a credit of 50% towards a comparable new Kumho temporary tire will be given. Applicable taxes and costs of mounting and balancing and any other service charges are payable by the owner.

- D. Adjustment on ride complaint or out-of-round is allowed only during the first 2/32" of the original tread depth.

(Please refer to the Adjustment Credit Percentage Table on page 82.)

The authorized KUMHO or Marshal dealer will determine the adjustment cost by multiplying the percentage of the original usable tread worn by the current KUMHO or Marshal dealer's price list in effect at the time of adjustment.

WHAT IS NOT COVERED BY THE WARRANTY

- A. This limited warranty is applicable only in the United States, and any tires used or equipped on a vehicle registered or operated outside the U.S. are not covered by this warranty.
- B. Tires branded or marked "Non-Adjustable" (NA) or Blemished (Blem) or DOT/Serial numbers previously cut will not be adjusted.
- C. Any tire worn beyond the wear bars (less than 2/32" remaining tread).
- D. The cost of applicable taxes and mounting and balancing and any other service charges.
- E. Tire damage or irregular wear due to:
 1. Road hazard, including puncture, cut, impact break, bulge, snag, stone drill, collision.
 2. Continued use while run flat or under acute under-inflation.
 3. Improper use or operation, without limitation, improper inflation pressure, overloading, use of an improper rim, tire/wheel assembly imbalance or other vehicle condition, worn suspension components, improper mounting or de-mounting, misuse, misapplication, fire or other externally generated heat, water or other material trapped inside the tire during mounting, tire alteration, racing or competition purposes, improper inserting of sealant, balance or filler materials.
 4. Improper repair, or with repairs not conforming to the Rubber Manufacturers Association standards, or with section repairs, or with self-vulcanizing plug only.

REPLACEMENT EQUIPMENT WARRANTY POLICIES

- 5. Failure to rotate the tire at least every 5,000 miles as evidenced by Kumho's Mileage Warranty/Tire Rotation Card (printed in this brochure) or vehicle misalignment.
- 6. Uneven or rapid wear which is caused by mechanical irregularity in the vehicle such as misalignment, (a measured tread difference of 2/32nds of an inch or more across the tread on the same tire).
- F. Ozone or weather cracking on tires over four (4) years from the date of manufacture.
- G. Tires that have been recapped, or retreaded, regrooved.
- H. Ride disturbance (out-of-round, vibration, pulling, etc.) claims submitted after the first 2/32" of tread wear.
- I. Loss of time, or use, inconvenience, or any incidental or consequential damage.
- J. Tires that have been modified by the addition or removal of material or any tire intentionally altered to change its appearance.
- K. Tires unserviceability caused by the tire operation in excess of tire/wheel manufacturers specifications and recommendations.
- L. Tires that are misapplied due to insufficient speed rating, or undersized, or oversized tires.
- M. Tires that have become unserviceable because chemical corrosion, vandalism, chains and flat spotting.
- N. Tires involved in any racing-related activities.
- O. This limited warranty applies only to the original purchaser and is non-transferable.

OWNER'S OBLIGATIONS

In order to be eligible for KUMHO's limited warranty program, the owner must:

- A. Conform to all pertaining policies detailed herein.
- B. Present tire to any authorized KUMHO dealer for inspection along with a copy of their original purchase receipt. Dealer will inspect tire in order to identify whether or not it qualifies for warranty based on the policies detailed herein.
- C. Pay the amounts due on a new tire, less the amount of credit, including taxes, mounting and balancing charges and/or the cost of other services ordered.

OTHER RIGHTS

This limited warranty gives the owner of KUMHO tires specific legal rights and you may also have other rights, which vary from state to state.

II. LIMITED TREAD WEAR WARRANTY

FOR PASSENGER RADIAL TIRES

Pattern	Mileage Coverage
Ecsta LX Platinum (KU27)	60,000 MILES
Solus TA71	60,000 MILES
Ecsta 4X	40,000 MILES
Ecsta 4X II (KU22-II)	40,000 MILES
Ecsta ASX	30,000 MILES
Ecsta PA31	50,000 MILES
Solus TA31	60,000 MILES
Solus KH16	60,000 MILES
Solus KR21	85,000 MILES
Solus TA11	75,000 MILES
Sense KR26	40,000 MILES

FOR LIGHT TRUCK TIRES

Pattern	Mileage Coverage
Eco Solus KL21	60,000 MILES
Crugen Premium KL33	60,000 MILES
Road Venture APT	60,000 MILES
Crugen HT51 (P-Metric)	70,000 MILES
Crugen HT51 (LT-Metric)	45,000 MILES
Road Venture AT51 (P-Metric Only)	55,000 MILES

Neither Kumho Tire U.S.A., Inc., nor any other tire manufacturer, can guarantee you'll receive a certain number of miles from any given tire. Driving habits, driving conditions, road conditions and vehicle maintenance all play a vital role in the tread life of a tire. However, if a tire does not reach the warranted mileage, and the original owner of the tires has complied with the terms and conditions of the Limited Tread Wear Warranty, KUMHO will replace the tires as follows:

- A. If tread has worn down to the tread wear indicators (2/32nds tread depth) within 72 months from the date of purchase (or manufacturer) or does not deliver the warranted miles of normal passenger use, whichever comes first, Kumho Tire U.S.A., Inc. will make an allowance for unused service towards a comparable new tire, pro-rated on warranted miles.
- B. The replacement allowance will be calculated by percentage of the warranted miles not received multiplied to the predetermined adjustment price of the tire at the time and place of the adjustment.

(Please refer to the Mileage Warranty Adjustment Table on page 83.)

- C. For original equipment tires on new vehicles, please reference separate warranty brochure in your vehicle's glove box.

REPLACEMENT EQUIPMENT WARRANTY POLICIES

ELIGIBILITY FOR LIMITED TREAD WEAR WARRANTY

- A. To make a claim, the owner must present the original customer copy of KUMHO's Mileage Warranty Card (printed in this brochure), which records the date of purchase, name of purchaser, original mileage and identification of the vehicle to an authorized KUMHO dealer.

MILEAGE WARRANTY / TIRE ROTATION CARD				
KUMHO TIRES ⁷ PATTERN: _____		MILEAGE COVERAGE: _____		Nº _____
TIRE PURCHASED				
NAME _____	Size: _____	STORE NAME _____		
STREET _____	Qty: _____	STREET _____		
CITY _____	Date: _____	CITY _____		
STATE _____ ZIP _____	Dealer Invoice # _____	STATE _____ ZIP _____		
CAR MAKE _____	MODEL _____	YEAR _____	LIC. NO. _____	
Nº _____ SERIAL NO. _____	Nº _____ SERIAL NO. _____	Nº _____ SERIAL NO. _____	Nº _____ SERIAL NO. _____	Nº _____ SERIAL NO. _____
ODOMETER READING _____ ON _____ OFF _____ DATE _____	ODOMETER READING _____ ON _____ OFF _____ DATE _____	ODOMETER READING _____ ON _____ OFF _____ DATE _____	ODOMETER READING _____ ON _____ OFF _____ DATE _____	ODOMETER READING _____ ON _____ OFF _____ DATE _____

- B. This limited tread wear warranty applies only to the original owner and is non-transferable.
- C. Applicable taxes and costs of mounting and balancing and any other service charges are payable by the owner.
- D. The owner must rotate the tires every 5,000 miles.
- E. The following are exclusions to the Limited Tread Wear Warranty:
1. Tires branded "NA", "Blem", etc.
 2. Tires exhibiting uneven or rapid wear which is caused by mechanical irregularity in the vehicle such as misalignment (a measured tread difference of 2/32nds of an inch or more across the tread on the same tire).
 3. Tires worn-out or damaged due to: improper inflation, improper mounting, uneven wear, overloading or off-road driving, run flat or racing, accident, fire or chemicals, use on RV or commercial vehicle, vandalism or gross abuse, defective mechanical condition of vehicle, road hazard damage (e.g., irreparable cut, puncture, snag, bruise or impact break) and lack of tire rotation.
 4. Original equipment tires on new vehicles.
- F. For staggered/split fitment applications (different size tires on the front and rear axles), Kumho Tire will cover half the number of miles of the standard mileage warranty since these tires cannot be rotated as recommended by Kumho.

III. ROAD HAZARD PROTECTION

Every Ecsta PS91, Ecsta LE Sport (KU39), Ecsta PS31, Ecsta SPT (KU31), Ecsta LX Platinum (KU27), Ecsta 4X II (KU22-II), Solus TA31, Solus KR21, Solus TA11 steel belted radial passenger tire that has been irreparably damaged due to a normal road hazard conditions (e.g., irreparable cut, puncture, snag, bruise or impact break) within the first 2/32" of the original tread depth (O.T.D.) and within 12 months from the date of purchase, will be replaced free of charge with an equivalent KUMHO tire. To be eligible, you must present your original invoice showing date of purchase. Tires not within 2/32" of the O.T.D. will not be issued a pro-rated credit. Tires that reflect damage due to continued run flat or acute under-inflation are excluded.

IV. 30-DAY SATISFACTION GUARANTEED TRIAL WARRANTY

Kumho Tire's 30-Day Satisfaction Guaranteed Trial Warranty covers a complete set of four (4) Road Venture AT51 and Solus TA71 tires. If for whatever reason you aren't completely satisfied with your eligible tires, simply return them to the dealer where they were purchased for replacement.

Limitations and Requirements:

- A. This trial warranty only applies to the original purchaser of a set of four eligible (4) tires returned within 30 days from the date of purchase and is non-transferable; any return of less than a full set of tires will not be accepted. Original purchaser must present their original sales receipt/invoice to their selling dealer at the time of replacement.
- B. Tires must be returned undamaged. Tires exhibiting road hazard, mounting damage, vehicle mechanical-related problems, repairs, improper inflation, vandalism, run flat, racing or any tires removed from the original vehicle are excluded from this trial warranty.
- C. Original purchaser pays the amounts due on a new replacement tire, less the amount of credit, including applicable taxes, mounting and balancing charges and/or the cost of other services ordered.
- D. Tires measuring more than 1/32" of tread wear from original tread depth are excluded from trial warranty.

V. NEW ON REAR/ROTATION RECOMMENDATION

- A. Replacement of two tires: Kumho Tire recommends replacing all four tires at the same time. However, when only two tires are replaced, the new tires should be put on the rear. The newer tires, with deeper tread, may provide better grip and water evacuation in wet driving conditions.

REPLACEMENT EQUIPMENT WARRANTY POLICIES

- B. Tire Rotations: Owners must continue to rotate tires in accordance to their vehicle owner's manual or every 5,000 miles. Side-to-side rotation on "new on rear; two-tire replacements" fitments will be acceptable.

VI. CASING CREDIT

- A. Casing of KUMHO radial commercial truck tires are warranted to remain serviceable through the second retreaded life for 66 months from the date of manufacture.
- B. KLS02e, KLD01e, and KLT02e casing warranty is valid through the second retreaded life for 72 months from the date of manufacture.
- C. If an examination by KUMHO shows that a casing of a KUMHO radial truck tire delivers unsatisfactory service due to factors within the manufacturer's control, KUMHO will give a credit toward the purchase price of a comparable new KUMHO tire in the amount indicated in the Casing Credit table.

Tire Size
8.25R15, 7.50R16, 8R17.5
215/75R17.5, 235/75R17.5
225/70R19.5, 245/70R19.5
265/70R19.5, 285/70R19.5
8.25R16
255/70R22.5
9.00R20, 10R22.5
10.00R20, 295/80R22.5
11.00R20, 12.00R20
10.00R22, 11.00R22, 12.00R24
11R22.5, 295/75R22.5
11R24.5, 285/75R24.5
12R22.5, 315/80R22.5
385/65R22.5, 425/65R22.5, 445/65R22.5

- D. Radial truck tires used in mining service are not eligible under this program.

VII. REPLACEMENT WARRANTY

If you receive a replacement tire under this warranty, it will be covered by the manufacturer's warranty and the supplemental limited mileage warranty that Kumho Tire U.S.A., Inc., than gives on that tire.

THIS IS THE ONLY EXPRESS WARRANTY GIVEN BY KUMHO APPLICABLE TO KUMHO/MARSHAL REPLACEMENT TIRES. KUMHO DOES NOT MAKE ANY OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

KUMHO DOES NOT AUTHORIZE ANY OTHER PERSONS, INCLUDING AUTHORIZED DEALERS TO CHANGE THIS WARRANTY OR CREATE ANY OTHER OBLIGATION IN CONNECTION WITH KUMHO/MARSHAL TIRES. KUMHO WILL NOT DO ANYTHING OTHER THAN WHAT IS STATED IN THIS WARRANTY IF A DEFECT IS FOUND TO EXIST IN A KUMHO/MARSHAL REPLACEMENT RADIAL TIRE. ALL OTHER REMEDIES ARE EXCLUDED, INCLUDING ANY OBLIGATION OR LIABILITY ON THE PART OF KUMHO FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES (SUCH AS LOSS OF USE OF CAR, LOSS OF TIME OR INCONVENIENCE) ARISING OUT OF A DEFECT.

THE REMEDIES SET FORTH IN THIS LIMITED WARRANTY ARE THE SOLE AND EXCLUSIVE REMEDIES FOR BREACH OF WARRANTY. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT MAY VARY FROM STATE TO STATE.

SAFETY WARNINGS

Property damage, serious personal injury or death may result if any of the following safety precautions/recommendations are not followed:

Driving on any underinflated tire is dangerous and may result in sudden tire destruction caused by excessive heat build-up. For replacement tires, your tire retailer should provide you with the proper inflation pressure. Otherwise, follow the air pressure recommendation found within your vehicle's owner manual or tire placard in your vehicle. If your replacement tire size is different from the original equipment tire size, ask your tire retailer for a revised air pressure recommendation guide in order to adequately support your vehicle's GVWR.

- Check the cold inflation pressure in all of your tires, including the spare tire, at least once every week and always prior to long distance trips. Failure to maintain the proper air inflation pressure may result in improper vehicle handling, and may cause rapid and irregular tire wear, reduction in tire durability, loss of vehicle control, or sudden tire failure that may lead to property damage, serious personal injury or death.
- Use an accurate tire gauge to check tire air pressures. Always maintain the proper recommended air inflation pressure in all tires. If there is an indication that one of your tires has lost four or more pounds of air pressure, immediately look for signs of penetration through the tire, valve leaks or wheel damage that may account for the air loss. You should also have your tires inspected by a tire retailer immediately.

REPLACEMENT EQUIPMENT WARRANTY POLICIES

- Air pressure should be checked when tires are cold (before they have been driven), ideally in the early morning. Driving, regardless of distance, causes tires to heat up and simultaneously increase air pressure.
- Never exceed the maximum inflation pressure for the tire.
- Never bleed air from hot tires as this may result in underinflation.

Inspect your tires daily. If you notice any damage to your tires or wheels, replace them with a spare and immediately visit any tire retailer for advice. Driving over potholes, curbs, wood debris, metal, etc., can damage a tire and should be safely avoided. Contact with such hazards requires an immediate and thorough tire inspection by your tire retailer.

- Always examine your tires for penetrations, bulges, cracks, cuts, and abnormal wear — particularly at the tire edges — which may be caused by, for example, vehicle misalignment or tire underinflation. Failure to properly control a vehicle when one or more tires are underinflated may result in an accident. Use of a damaged tire may result in rapid air loss, including sudden tire failure.
- An explosion of the tire/rim assembly may occur due to improper mounting. Only specially trained persons should mount tires.

Failure to store tires in accordance with the following recommendations may result in damage to your tires, reduction in tire durability, or sudden tire failure:

- Tires should always be stored in a cool, dry, clean, indoor environment. Tires contain waxes and emollients to protect their outer surfaces from ozone and weather cracking. As the tire rolls and flexes, the waxes and emollients continually migrate to the tire's surface, replenishing this protection throughout the normal and proper use of the tire. However, when tires sit outdoors and are unused for an extended period of time, the tire surface becomes dry, the tire may be susceptible to ozone and weather cracking, and the casing becomes susceptible to flat spotting.
- Surfaces on which tires are stored must be free from grease, gasoline, and other substances that could deteriorate the rubber.
- You should have a qualified technician check all tires where the Kumho Tire U.S.A., Inc. warranty policy period has lapsed, even if damage is not obvious.

Do not overload your tires. Driving on any overloaded tire is extremely dangerous and may result in an accident causing property damage, serious personal injury or death.

- The maximum load rating marked on the sidewall of any tire is based on the maximum speed of operation. Tires that are loaded beyond their maximum allowable loads for a particular application will generate increased and excessive heat that may cause sudden tire failure leading to property damage, serious personal injury or death.

ORIGINAL EQUIPMENT WARRANTY POLICIES

CONSUMER LIMITED WARRANTY FOR ORIGINAL EQUIPMENT PASSENGER & LIGHT TRUCK TIRES INCLUDING TEMPORARY TIRES

I. WHAT IS COVERED AND FOR HOW LONG

Kumho warrants that a tire manufactured by Kumho and/or equipped originally on the vehicle is free from defects in materials and/or workmanship in normal use for the life of the original usable tread. The life of the original usable tread ends when the tire tread has been worn down with only 2/32" (1.6 mm) remaining, at which point the tire is considered to be fully worn out.

PASSENGER AND LIGHT TRUCK TIRES

A. Free replacement

If a Kumho Radial Passenger or Light Truck tire fails as a result of defect in materials and/or workmanship within the first 2/32" of the original tread depth, the tire will be replaced with a new, comparable Kumho tire at no charge including mounting and balancing charges.

B. Pro-rata replacement

A tire not qualifying for free replacement will be given a credit toward the purchase of a new, comparable Kumho tire based upon the amount of tread actually worn. The cost of mounting, balancing and any other service charges or applicable taxes should be paid by the user. Otherwise adjustment for compensation will be made on a pro-rata basis calculated by multiplying the actual current dealer selling price by the percentage of remaining usable tread depth.

KUMHO TEMPORARY TIRE

- A. A Temporary Tire weighs less and provides more trunk storage space than a conventional tire. To conserve tire tread life, the temporary tire should be returned to the trunk as soon as it is convenient to have your standard tire repaired or replaced.
- B. If a Kumho Temporary Tire fails as a result of defect in materials and/or workmanship during the first 50% of usable tread wear, the tire will be replaced with a new, comparable tire at no charge including mounting and balancing charges. No adjustment will be made for tires that are worn more than 50%.

II. WHAT IS NOT COVERED BY THE WARRANTY

NON-ADJUSTABLE CONDITIONS

- A. Irregular wear or tire damage due to:
 - 1. Road hazards such as punctures, cuts, snags, scuffs, carcass bruised or impact breaks.
 - 2. Fire, wreck, vandalism or collision.

- 3. Improper inflation, overloading, high-speed spinning, improper mounting or demounting, running flat, off-road use, racing, vandalism, willful damage or abuse.
- 4. Misalignment, wheel imbalance, defective brakes or shock absorbers, or use of tire chains.
- 5. Any tire which has failed as a result of adding material (e.g., tire fillers, sealant, or balancing substances).

- B. Tire fitted to anything other than the original vehicle.
- C. Tire worn beyond tread wear indicator (2/32" or 1.6 mm tread remaining).
- D. Tire presented by other than the actual owner-user.
- E. Tire branded "NA" (meaning non-adjustable) or "blem" (meaning blemished).
- F. Loss of time inconvenience, loss of use of the vehicle or consequential damage.
- G. Ride disturbance after free-replacement conditions.
- H. Ozone or weather cracking on tires over four (4) years from the date of manufacture.
- I. No Flat Spot Warranty for Original tires.
- J. No Mileage Warranty for Original tires.
- K. This limited warranty applies only to the original vehicle owner and is non-transferable.

GENERAL EXCLUSIONS

- A. No Kumho Tire employee, retailer or dealer has the authority to make any warranty, representation, promise or agreement on behalf of Kumho Tire except as stated in this policy.
- B. Tires used in racing-related activities or competitive events are not covered by this warranty.
- C. Limitation of remedy: To the extent permitted by law, Kumho disclaims liability for all consequential and incidental damages. Some provinces and states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have rights which vary from province to province in Canada, and from state to state in the United States.

ORIGINAL EQUIPMENT WARRANTY POLICIES

III. KUMHO OBLIGATIONS

Replacement tires qualifying under this warranty will be made by a participating Kumho Dealer or a participating Car Dealer.

IV. OWNER'S OBLIGATIONS

- A. Conform to all pertaining policies detailed herein.
- B. Present tire to any authorized Kumho dealer or a participating Car Dealer along with proof indicating you are the original vehicle owner. Respective dealer will inspect tire in order to identify whether or not it qualifies for warranty based on the policies detailed herein.

WARNING FOR YOUR SAFETY

- **TIRE DEMOUNTING AND MOUNTING**
Improper tire mounting and inflation procedures may cause tire beads to break with explosive force during installation of the tire on the rim, causing personal injury and property damage. Follow the Rubber Manufacturers Association (RMA) installation and safety procedure for mounting and inflating tires. Tire and rim must match in size. Rim parts must match in size. Rim parts must match by manufacturer's design. Clean rim. Lubricate rim and beads. Do not exceed the maximum recommended pressure to seat beads on rim. Use remote control inflation equipment and inflation cage.

Note: Never inflate over 40 psi to seat beads. Mount radial-ply tires only on rims designated by wheel manufacturer as suitable for radial tires. Only specially trained persons shall mount tires.

- **AIR PRESSURE**
Check the pressure in your tires, including your spare, at least monthly, and always before and during extended driving, when tires are cold (at least 3 hours after the vehicle has been stopped and before it is driven more than 1 mile/1.6 km). Do not reduce pressure when tires are hot: use an accurate air pressure gauge to check pressure and maintain it at the level recommended on the vehicle tire placard or in the owner's manual. Underinflation produces extreme flexing of sidewalls and builds up heat to the point that premature tire failure may occur. Overinflation can cause the tires to be more susceptible to impact damage. Cold tire pressures, however, should never be higher than the limit molded on the sidewall.
- **LOAD LIMITS**
Never exceed the load-carrying limits molded onto the sidewall of your tires or the maximum vehicle load limit as shown on the vehicle tire placard, whichever is less. Overloading builds up excessive heat in the tire and leads to early and/or sudden failure.

- **HAZARDS**

Avoid running over objects (e.g., chuckholes, rocks, curbs, metal, glass, etc.) which may possibly cause internal tire damage. Continued use of a tire that has suffered internal damage, which may not be externally visible, can lead to dangerous tire failure. Determination of suspected internal damage requires demounting the tire from its rim and examination by trained personnel.

- **WORN TIRES**

Never drive on worn tires. Tires should be replaced by trained personnel when 2/32" (1.6 mm) of remaining tread depth, as indicated by tread wear indicators molded into the tread grooves. Use of worn-out tires (less than 2/32" remaining tread depth) increases the possibility of tire failure. In most states, it is illegal to drive with less than 2/32" of remaining tread depth.

- **SPEED LIMITS**

Operating your vehicle in excess of lawful speed limits or the maximum speeds justified by driving conditions can be dangerous. Excessive speed creates heat buildup in a tire, leading to possible tire failure.

- **SPEED-RATED TIRES**

Speed-rated tires are identified by letters P, Q, S, T, H, V, W or Z as either part of the size designation (e.g., HR) or part of the service description adjacent to the size designation (e.g., 94H) and indicate the maximum speed capability of the tire when properly loaded and inflated. However, even when properly loaded and inflated, driving for prolonged periods at high speeds can cause tire damage and possible tire failure which could lead to an accident. Original equipment speed-rated tires must be replaced with tires of the same or higher speed rating if the speed capability of the vehicle is to be maintained. Consult your Kumho dealer for the tires best suited to your vehicle driving habits. Repair of speed-rated tires must be done in accordance with RMA repair procedures and is limited to one 1/3 diameter repair in the tread area.

- **TIRE ROTATION**

Rotate your tires for longer tire life. Front and rear tires perform different jobs and wear differently. Consult your vehicle owner's manual for mileage recommendations and rotation patterns.

ORIGINAL EQUIPMENT WARRANTY POLICIES

- **ADDITIONAL SAFETY INFORMATION
FOR TEMPORARY TIRE**

- A. Air pressure**

- Check inflation pressure as soon as possible after installation and inflate to 60 psi. The tire pressure should be checked monthly and maintained at 60 psi while the tire is stored or in service.

- B. Vehicle restriction**

- The temporary spare tire was specifically designed for your car and should not be used on any other vehicle.

- C. Other restrictions**

- The temporary spare tire should not be used with other wheels, nor should standard tires, snow tires, wheel covers, or trim rings be used with the temporary spare wheel. If such use is attempted, damage to these items or other vehicle components may occur.

WARRANTY POLICIES

Adjustment Credit Percentage Percentage Kumho Tire pays based on remaining tread depth

RTD (Remaining Tread Depth)*	OTD (Original Tread Depth)*																									
	8/32	9/32	10/32	11/32	12/32	13/32	14/32	15/32	16/32	17/32	18/32	19/32	20/32	21/32	22/32	23/32	24/32	25/32	26/32	27/32	28/32	29/32	30/32	31/32	32/32	
2/32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3/32	35	14	13	11	10	9	8	8	7	7	6	6	6	5	5	5	5	4	4	4	4	4	4	3	3	3
4/32	50	29	25	22	20	18	17	15	14	13	13	12	11	11	10	10	9	9	8	8	8	7	7	7	7	7
5/32	63	43	38	33	30	27	25	23	21	20	19	18	17	16	15	14	14	13	13	12	12	11	11	10	10	10
6/32	75	57	50	44	40	36	33	31	29	27	25	24	22	21	20	19	18	17	17	16	15	15	14	14	13	13
7/32	100	100	63	56	50	45	42	38	36	33	31	29	28	26	25	24	23	22	21	20	19	19	18	17	17	17
8/32	100	100	100	67	60	55	50	46	43	47	38	35	33	32	30	29	27	26	25	24	23	22	21	21	20	20
9/32		100	100	100	70	64	58	54	50	48	44	41	39	37	35	33	32	30	29	28	27	26	25	24	23	23
10/32			100	100	100	73	67	62	58	53	50	47	44	42	40	38	36	35	33	32	31	30	29	28	27	27
11/32				100	100	100	75	69	64	60	56	53	50	47	45	43	41	39	38	36	35	33	32	31	30	30
12/32					100	100	100	77	71	67	63	59	56	53	50	48	45	43	42	40	38	37	36	34	33	33
13/32						100	100	100	79	73	69	65	61	58	55	52	50	48	46	44	42	41	39	38	37	37
14/32							100	100	100	80	75	71	67	63	60	57	55	52	50	48	46	44	43	41	40	40
15/32								100	100	100	81	76	72	68	65	61	59	57	54	52	50	48	46	45	43	43
16/32									100	100	100	82	78	74	70	67	64	61	58	56	54	52	50	48	47	47
17/32										100	100	100	83	79	75	71	68	65	63	60	58	56	54	52	50	50
18/32											100	100	100	84	80	76	73	70	67	64	62	59	57	55	53	53
19/32												100	100	100	85	81	77	74	71	68	65	63	61	59	57	57
20/32													100	100	100	86	82	78	75	72	69	67	64	62	60	60
21/32														100	100	100	86	83	79	76	73	70	68	66	63	63
22/32															100	100	100	87	83	80	77	74	71	69	67	67
23/32																100	100	100	88	84	81	78	75	71	70	70
24/32																	100	100	100	87	85	81	79	76	73	73
25/32																		100	100	100	88	85	82	79	77	77
26/32																			100	100	100	89	86	83	80	80
27/32																				100	100	100	89	86	83	83
28/32																					100	100	100	90	87	87
29/32																						100	100	100	90	90
30/32																							100	100	100	100
31/32																								100	100	100
32/32																									100	100

*Measurements are in inches.

Mileage up to	15k	20k	30k	40k	50k	60k	85k		Mileage up to	15k	20k	30k	40k	50k	60k	85k		Mileage up to	15k	20k	30k	40k	50k	60k	85k	
1,000	95%	98%	98%	98%	98%	99%	99%		31,000	23%	38%	44%	48%	59%	64%			61,000							19%	28%
2,000	90%	95%	96%	96%	97%	97%	98%		32,000	20%	36%	42%	47%	57%	62%			62,000							17%	27%
3,000	85%	93%	94%	95%	95%	96%	96%		33,000	18%	34%	40%	45%	56%	61%			63,000							16%	26%
4,000	80%	90%	92%	93%	93%	95%	95%		34,000	15%	32%	38%	43%	55%	60%			64,000							15%	25%
5,000	75%	88%	90%	91%	92%	93%	94%		35,000	13%	30%	36%	42%	53%	59%			65,000							13%	24%
6,000	70%	85%	88%	89%	90%	92%	93%		36,000	10%	28%	35%	40%	52%	58%			66,000							12%	22%
7,000	65%	83%	86%	87%	88%	91%	92%		37,000	8%	26%	33%	38%	51%	56%			67,000							11%	21%
8,000	60%	80%	84%	85%	87%	89%	91%		38,000	5%	24%	31%	37%	49%	55%			68,000							9%	20%
9,000	55%	78%	82%	84%	85%	88%	89%		39,000	3%	22%	29%	35%	48%	54%			69,000							8%	19%
10,000	50%	75%	80%	82%	83%	87%	88%		40,000	0%	20%	27%	33%	47%	53%			70,000							7%	18%
11,000	45%	73%	78%	80%	82%	85%	87%		41,000			18%	25%	32%	45%	52%		71,000							5%	16%
12,000	40%	70%	76%	78%	80%	84%	86%		42,000			16%	24%	30%	44%	51%		72,000							4%	15%
13,000	35%	68%	74%	76%	78%	83%	85%		43,000			14%	22%	28%	43%	49%		73,000							3%	14%
14,000	30%	65%	72%	75%	77%	81%	84%		44,000			12%	20%	27%	41%	48%		74,000							1%	13%
15,000	25%	63%	70%	73%	75%	80%	82%		45,000			10%	18%	25%	40%	47%		75,000							0%	12%
16,000	20%	60%	68%	71%	73%	79%	81%		46,000			8%	16%	23%	39%	46%		76,000								11%
17,000	15%	58%	66%	69%	72%	77%	80%		47,000			6%	15%	22%	37%	45%		77,000								9%
18,000	10%	55%	64%	67%	70%	76%	79%		48,000			4%	13%	20%	36%	44%		78,000								8%
19,000	5%	53%	62%	65%	68%	75%	78%		49,000			2%	11%	18%	35%	42%		79,000								7%
20,000	0%	50%	60%	64%	67%	73%	76%		50,000			0%	9%	17%	33%	41%		80,000								6%
21,000		48%	58%	62%	65%	72%	75%		51,000				7%	15%	32%	40%		81,000								5%
22,000		45%	56%	60%	63%	71%	74%		52,000				5%	13%	31%	39%		82,000								4%
23,000		43%	54%	58%	62%	69%	73%		53,000				4%	12%	29%	38%		83,000								3%
24,000		40%	52%	56%	60%	68%	72%		54,000				2%	10%	28%	36%		84,000								2%
25,000		38%	50%	55%	58%	67%	71%		55,000				0%	8%	27%	35%		85,000								0%
26,000		35%	48%	53%	57%	65%	69%		56,000					7%	25%	34%										
27,000		33%	46%	51%	55%	64%	68%		57,000					5%	24%	33%										
28,000		30%	44%	49%	53%	63%	67%		58,000					3%	23%	32%										
29,000		28%	42%	47%	52%	61%	66%		59,000					2%	21%	31%										
30,000		25%	40%	45%	50%	60%	65%		60,000					0%	20%	29%										