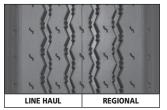


TREAD DESIGNS

ALL-POSITION RETREADS

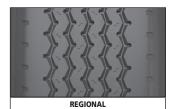




Available in the 240 mm - 20/43" width only

XZA Pre-Mold Retread

All-wheel position tread design with proven versatility and exceptional resistance to scrub and abrasion for line haul and regional applications.



XZA Wide Base **Pre-Mold Retread**

All-wheel position tread design with proven versatility and wide shoulder rib to withstand scrub and abrasion for regional applications.



XZU2 **Pre-Mold Retread**

All-position retread optimized for operations involving frequent stopping and starting e.g., transit buses*, delivery vehicles and sanitation trucks.

Federal Motor Carrier Safety Regulations, 9 C.F.R. § 395.75 (d), specify that "no bus shall be operated with regrooved, recapped or retreaded tires on the front wheels.



XZE Pre-Mold Retread

All-position retread designed for regional and line haul applications requiring exceptional traction and tire wear resistance.



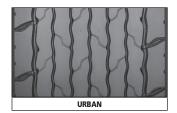
X ONE XZUS **Pre-Mold Retread**

Multi-purpose, all-axle, next generation wide-based single, designed with traction and durability features for demanding urban applications.



XZE2+ **Pre-Mold Retread**

All-position retread designed for regional applications requiring exceptional tire wear resistance.



X ONE XZUS+ **Pre-Mold Retread**

Industry-leading, all-position, next generation wide-based single, designed with 50% greater wear life* and durability for demanding urban annlications ** applications.

* Vs. Michelin X ONE XZU S Pre-Mold Retread. ** Used in intermittent highway service with maximum speed of 65 mph.



XZUS

longer, more even wear in demanding





XZY3 **Pre-Mold Retread**

All-wheel position tread designed for exceptional wear and all-position traction in mixed on/off road service. Abrasion resistance compound promotes long casing and tread life.



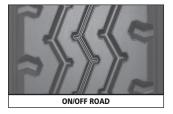
XZL Wide Base Pre-Mold Retread

All-position tire designed to deliver long life for challenging on/off road applications.



XZY3 Wide Base Pre-Mold Retread

All-wheel position tread designed for exceptional wear and all-position traction in mixed on/off road service. Abrasion resistance compound promotes long casing and tread life.



XZY Pre-Mold Retread

All-position retread designed for regional and on/off road applications requiring exceptional tire wear resistance.



XZY Wide Base Pre-Mold Retread

All-position retread designed to deliver long tire life for challenging on/off road applications.

ALL-POSITION RETREADS

Tread Size	140	150	160	170	180	190	200	210	2:	20	230	240	250	260	270	280
Size \ # DIE				168\#5	177\#6	194\#7	203\#8	211\#8.5N	219\#9	225\#9.5	232\#10	238\#10.5	252\#12			
XZA (1)		13/	32" - 10.5	mm		15/32" - 12 mm				20/32" 16 mm						
XZE (1)				16/32" 13 mm			18/32"	- 14 mm	18/32" - 14 mm							
XZE2+												20/32" - 16 mm				
XZU2												24/32"	· 20 mm			
XZUS										26	5/32" - 21 n	nm			26/32" -	- 21 mm
XZY							18/32" - 14 mm 20/32" 16 mm									
XZY 3										24/32"	- 19 mm				24/32" 19 mm	

WIDE BASE AND X ONE ALL-POSITION SIZES

Tread Size	290/345 ⁽²⁾	320/365 ⁽²⁾	350/395 ⁽²⁾	385/435 ⁽²⁾
XZA Wide Base	19/32" -	- 15 mm		
XZL Wide Base			30/32" 24 mm	
XZY Wide Base		20/32" 16 mm		
XZY3 Wide Base	22/32" 17 mm			
X ONE XZUS				23/32" 18 mm
X ONE XZUS+ (3)				29/32" 23 mm

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(1) Available sip	ed. Consult Michelin	Retread Technologies	dealers for availability.

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Tread Size Size \ # DIE

For up-to-date product information please visit business.michelinman.com $\,$

Retread tread selection should always consider the casing's original service application design and speed limit as published in that tire manufacturer's data book. Applying treads intended for a more severe service / speed application than the original casing design or that would imply a higher speed service than the casing's original speed rating, is generally not recommended.

 ⁽¹⁾ Available silper. Consult without method retrieval rectiniongies dealers for availability.
 (2) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.
 (3) Used in intermittent highway service with maximum speed of 65 mph.

DRIVE RETREADS



LINE HAUL

X ONE LINE ENERGY D2 **Pre-Mold Retread**

Our lowest rolling resistance heavy truck drive retread to date, for truckload, long haul transportation. Designed for industry-leading fuel savings to lower total cost of ownership while providing exceptional traction for driver confidence.



X® LINE ENERGY D **Pre-Mold Retread**

Drive position retread designed to offer exceptional SmartWay® fuel economy (1) with leading tread life and traction in a line haul application.



XDA2 23 AT Pre-Mold Retread

Drive position retread designed for fuel savings, durability, and all-weather traction for line haul applications.

AT designated Advanced Technology Compounds



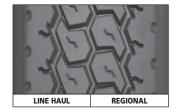
X ONE LINE GRIP D **Pre-Mold Retread**

Long-wearing Michelin X One drive retread with outstanding traction for line haul and regional applications.



XDC 22 Pre-Mold Retread

Drive position retread with wellbalanced properties designed for excellent wear and traction in line haul and regional applications.



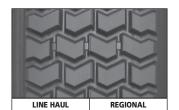
XDHT Pre-Mold Retread

Drive position retread designed for line haul and regional applications.



XDN₂ **Pre-Mold Retread**

All-weather drive retread optimized for exceptional traction and mileage.



XM+S4 **Pre-Mold Retread**

Drive position retread with wellbalanced properties designed for enhanced traction, especially in snow and mud conditions, for line haul and regional applications.



CD-LL **Pre-Mold Retread**

Drive position retread with wellbalanced properties designed for trade-in vehicles in regional and line haul applications.



XD4 **Pre-Mold Retread**

Drive position retread designed for high torque conditions, e.g. 4x2's, in line haul and regional applications.



MD XDN2 **Pre-Mold Retread**

Drive position retread optimized for traction and mileage for urban and regional light and medium duty vehicles with 16" to 19.5" tires.*

* Speed limit of 87 mph for the 190-200 mm size.



X® MULTI ENERGY D **Pre-Mold Retread**

High mileage, fuel efficient⁽¹⁾ SmartWay[®] verified drive retread, optimized for regional and super regional applications.



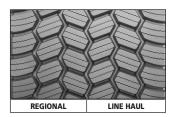
XDE M/S **Pre-Mold Retread**

Drive position retread with well-balanced properties designed for enhanced traction, especially in muddy conditions, for regional applications.



XDS2+ **Pre-Mold Retread**

Delivers improved year-round drive axle traction, optimized for severe winter conditions.



X ONE XDS2 **Pre-Mold Retread**

Drive axle retread designed for extreme winter conditions to promote driver confidence and security while capitalizing on the enhanced fuel and weight savings of a next generation wide based tire.

Directional tread



X® MULTI D **Pre-Mold Retread**

Regional drive retread designed for all-season traction without compromising high mileage to provide optimal total cost of ownership and driver satisfaction.

⁽¹⁾ Based on industry standard rolling resistance testing of comparable tires and retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.

DRIVE RETREADS



XDUS Pre-Mold Retread

Drive position retread designed with optimal scrub resistance for challenging urban applications.



XDY Pre-Mold Retread

Drive position retread designed for on/ off road, urban, and regional applications that demand rugged wear resistance.



X® WORKS D **Pre-Mold Retread**

On/off Road drive position retread optimized for exceptional traction, toughness and wear performance in mixed and aggressive applications.





XDY-EX Pre-Mold Retread

Delivers exceptional durability and traction in demanding off-road applications.

DRIVE RETREADS

Tread Size	170	180	190	200	210	2	220	230	240	250	260	270
Size \ # DIE	168\#5	177\#6	194\#7	203\#8	211\#8.5N	219\#9	225\#9.5	232\#10	238\#10.5	252\#12		
CD LL						14/32"	- 11 mm					
MD XDN 2			18/ 14	32" mm		20/32" - 16 mm						
X® LINE ENERGY™ D					21/32" - 16.5 mm							
X® MULTI ENERGY™ D					21/32" - 17 mm							
X® MULTI D						28/32" - 22 mm						
X® WORKS D						30/32" - 24 mm						30/32" 24 mm
XD4						28/32" - 22 mm						
XDA2 23 AT (1)						23/32"	- 18 mm					
XDC 22					2	22/32" - 17 m	m					
XDE M/S		32" mm	20/32"	- 16 mm		22/32"	′ - 17mm					
XDHT (2)		19/32" 15 mm			23/32"	- 18mm			23/32" 18 mm			
XDN 2								2	7/32" - 21.5 m	m		
XDS 2+							25/32" -	- 20 mm				25/32" 20 mm
XDU S							3	32/32" - 25 mr	n			32/32" 25 mm
XDY					26/32" - 21 mm			32/32" 25 mm				
XDY-EX					32/32" - 25 mm		- 25 mm					
XM+S4					2	1/32" - 16.5 n	nm					

X ONE DRIVE SIZES

Tread Size	375/425 ⁽³⁾	385/435 ⁽³⁾		
X ONE LINE ENERGY D2	21/32" 16.5 mm			
X ONE LINE GRIP D	27/32" - 21 mm			
X ONE XDS 2	20/32" -	- 16 mm		

Product Availability (Tread Depth in Shaded Boxes)

Tread Size Size \ # DIE

For up-to-date product information please visit business.michelinman.com

Retread tread selection should always consider the casing's original service application design and speed limit as published in that tire manufacturer's data book. Applying treads intended for a more severe service / speed application than the original casing design or that would imply a higher speed service than the casing's original speed rating, is generally not recommended.

AT designated Advanced Technology Compounds for fuel savings.
 Available siped. Consult Michelin Retread Technologies dealers for availability.
 Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.

TRAILER RETREADS



X ONE LINE ENERGY T2 **Pre-Mold Retread**

Designed for improved tread wear while providing durability and fuel savings (1) to lower your total cost of ownership (TCO).



X® MULTI T SA **Pre-Mold Retread**

Designed to address the scrub and stresses in spread axle applications while providing superior mileage performance in regional and line haul operations.



IT2 **Pre-Mold Retread**

All position trailer axle retread is designed for use in intermodal applications.



X® LINE ENERGY T **Pre-Mold Retread**

A premium trailer position retread for line haul applications, designed to provide fuel efficiency (2) and long, even . wear.



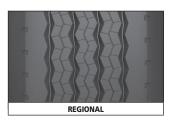
X ONE MULTI ENERGY T **Pre-Mold Retread**

A SmartWay® verified trailer position retread which ensures the right balance of outstanding removal mileage, reduced irregular wear and fuel efficiency, (3) optimized for regional applications.



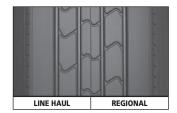
XTA Pre-Mold Retread

Trailer position retread designed to deliver good, all-purpose performance in line haul and regional applications.



XTE2 Wide Base Pre-Mold Retread

Designed to deliver strong durability and handling needed in demanding on/off road applications.



XTA-2 **Pre-Mold Retread**

SmartWay® verified trailer tread designed to deliver enhanced wear-life in regional and line haul service. Available siped.



XTY SA Pre-Mold Retread

Trailer position retread designed to deliver strong wear resistance and traction in demanding on/off road applications, especially for spread-axle and multi-axle rigs.

TRAILER RETREADS

Tread Size	190	200	210	2:	20	230	240	250	260
Size \ # DIE	194\#7	203\#8	211\#8.5N	219\#9	225\#9.5	232\#10	238\#10.5	252\#12	
Spread Axle Sizes (4)	185/225	195/235	205/245	215	/255	225/265	245/285		
X® LINE ENERGY™ T			11/32" - 9 mm						
X® MULTIT SA			16/32" - 13 mm						
IT2			11/32" - 9 mm						
XTA							16/32" 13 mm		16/32" 13 mm
XTA-2 (5)			11/32" - 9 mm 11/32" 9 mm						
XTY SA			2		n				

- (1) The U.S. EPA as part of their SmartWay® Program has demonstrated incremental fuel savings when low rolling resistance tires are used just on the tractor and/or just on the trailer. Actual results may vary, and may be impacted by many factors, to include road conditions, weather, environment, combination of steer and drive tires used, driving habits, tire size, equipment, and maintenance.

 (2) Based on external rolling resistance tests of the Michelin X® Line Energy T Pre-Mold retread in 230 mm width and current Michelin XT-1 AT Pre-Mold retread in 225 mm width using ISO 28580 test method in tire size YOK RY617 295/75R22.5. Actual on-road fuel saving results may vary, and may be impacted by many factors, to include road conditions, weather, environment, combination of steer and trailer tires used, driving habits, tire size, equipment and maintenance.

 (3) Based on industry standard rolling resistance testing of comparable tires and retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.

 (4) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.

 (5) Available siped. Consult Michelin Retread Technologies dealers for availability.

WIDE BASE AND X ONE TRAILER SIZES

Tread Size	290/345 ⁽⁴⁾	375/425 ⁽⁴⁾	385/435 ⁽⁴⁾
XTE2 Wide Base	20/32" - 16 mm		
X ONE LINE ENERGY T2		13/32" - 10.5 mm	
X ONE MULTI ENERGY T		15/32" -	12 mm

Product Availability (Tread Depth in Shaded Boxes)

Tread Size	Size \ # DIE	Spread Axle Sizes

For up-to-date product information please visit business.michelinman.com

Retread tread selection should always consider the casing's original service application design and speed limit as published in that tire manufacturer's data book. Applying treads intended for a more severe service / speed application than the original casing design or that would imply a higher speed service than the casing's original speed rating, is generally not recommended.

MICHELIN RETREAD QUICK REFERENCE TREAD GUIDE

STANDARD SIZES Tread Size Size \ # DIE Spread Axle Sizes

TREAD SIZE	RETREAD	POSITION	MSPN	TREAD 32nds	DEPTH mm	
140	XZA	All-position	72464	13/32"	10.5 mm	
150	XZA	All-position	95829	13/32"	10.5 mm	
160	XZA	All-position	43903	13/32"	10.5 mm	
168\#5	XZE	All-position	57118	18/32"	14 mm	
470	XZA	All-position	48480	13/32"	10.5 mm	
170	XDE M/S	Drive	57384	18/32"	14 mm	
177\#6	XZE	All-position	62459	18/32"	14 mm	
	XZA	All-position	53906	13/32"	10.5 mm	
100	XZA Siped	All-position	74087	13/32"	10.5 mm	
180	XDHT	Drive	44572	23/32"	18 mm	
	XDE M/S	Drive	58140	18/32"	14 mm	
185/225	X Multi T SA (1)	Trailer	13086	16/32"	13 mm	
190	MD XDN2 (2)	Drive	87625	18/32"	14 mm	
190	XDE M/S	Drive	04109	20/32"	16 mm	
	XZA	All-position	71005	15/32"	12 mm	
	XZA Siped	All-position	70659	15/32"	12 mm	
194\#7	XZE	All-position	91791	18/32"	14 mm	
134(#1	XZE Siped	All-position	90947	18/32"	14 mm	
	XDHT	Drive	94558	23/32"	18 mm	
	XTA-2	Trailer	74704	11/32"	9 mm	
195/235	X Multi T SA (1)	Trailer	14000	16/32"	13 mm	
	MD XDN2 (2)	Drive	88045	18/32"	14 mm	
200	XDE M/S	Drive	94728	20/32"	16 mm	
200	X Line Energy T	Trailer	68515	11/32"	9 mm	
	X Line Energy T Siped	Trailer	22028	11/32"	9 mm	
200 / 8	IT2	Trailer	06637	11/32"	9 mm	
	XZA	All-position	92719	15/32"	12 mm	
	XZA Siped	All-position	53937	15/32"	12 mm	
202/#0	XZE	All-position	59028	18/32"	14 mm	
203\#8	XZY	All-position	54622	18/32"	14 mm	
203\#8	XDHT	Drive	54461	23/32"	18 mm	
	XTA-2	Trailer	74861	11/32"	9 mm	
205/245	X Multi T SA (1)	Trailer	14234	16/32"	13 mm	
203/243	XTY SA (1)	Trailer	36225	22/32"	17 mm	
	XZY3	All-position	40131	24/32"	19 mm	
	XD4	Drive	92270	28/32"	22 mm	
	MD XDN2 (2)	Drive	88381	20/32"	16 mm	
210	XDE M/S	Drive	66838	22/32"	17 mm	
210	XDS2+	Drive	15860	25/32"	20 mm	
	X Works D	Drive	12811	30/32"	24 mm	
	X Line Energy T	Trailer	68646	11/32"	9 mm	
	X Line Energy T Siped	Trailer	22707	11/32"	9 mm	
240 / 0 EN	CD-LL	Drive	74178	14/32"	11 mm	
210 / 8.5N	IT2	Trailer	24495	11/32"	9 mm	
	XZA	All-position	74565	15/32"	12 mm	
	XZA Siped	All-position	56193	15/32"	12 mm	
	XZE	All-position	86080	18/32"	14 mm	
	XZE Siped	All-position	78892	18/32"	14 mm	
	XZY	All-position	51695	18/32"	14 mm	
211\#0 EN	XDA2 23 AT	Drive	77114	23/32	18 mm	
211\#8.5N	XDC 22	Drive	54426	22/32"	17 mm	
	XDHT	Drive	65683	23/32"	18 mm	
	XDHT Siped	Drive	91143	23/32"	18 mm	
	XM+S4	Drive	64760	21/32"	16.5 mm	
	XTA-2	Trailer	74922	11/32"	9 mm	
	XTA-2 Siped	Trailer	75564	11/32"	9 mm	
215/255	X Multi T SA (1)	Trailer	14882	16/32"	13 mm	

⁽¹⁾ Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.(2) Speed limit of 87 mph for the 190-200 mm size.

TREAD SIZE	RETREAD	POSITION	MSPN		DEPTH
	V7A	Allmonision	05772	32nds 15/32"	mm 12 mm
	XZA VZA Sinod	All-position All-position	85773 61685	15/32"	12 mm
	XZA Siped XZE	All-position	51733	18/32"	12 mm
	XZE Siped	All-position	50397	18/32"	14 mm
	XZY	All-position	61672	18/32"	14 mm
	XDA2 23 AT	Drive	59027	23/32	18 mm
219\#9	XDC 22	Drive	96544	22/32"	17 mm
	XDHT	Drive	84811	23/32"	18 mm
	XDHT Siped	Drive	73107	23/32"	18 mm
	XM+S4	Drive	61591	21/32"	16.5 mm
	XDY	Drive	65072	26/32"	21 mm
	XTA-2	Trailer	74947	11/32"	9 mm
	XTA-2 Siped	Trailer	75658	11/32"	9 mm
	XZUS	All-position	15997	26/32"	21 mm
	XZY3	All-position	41044	24/32"	19 mm
	XZY3 Siped	All-position	36037	24/32"	19 mm
	X Line Energy D	Drive	26837	21/32"	16.5 mm
	XD4	Drive	83674	28/32"	22 mm
	XDN2	Drive	15171	27/32"	21.5 mm
	X Multi Energy D	Drive	53432	21/32"	17 mm
220	MD XDN2	Drive	88997	20/32"	16 mm
	XDE M/S	Drive	94447	22/32"	17 mm
	XDS2+	Drive	16888	25/32"	20 mm
	X Multi D XDUS	Drive	17923	28/32" 32/32"	22 mm
	XDY-EX	Drive Drive	28156 50243	32/32"	25 mm 25 mm
	X Works D	Drive	05291	30/32"	24 mm
220 / 9	X Line Energy T	Trailer	69876	11/32"	9 mm
	X Line Energy T Siped	Trailer	22865	11/32"	9 mm
	CD-LL	Drive	61482	14/32"	11 mm
220 / 9	IT2	Trailer	43280	11/32"	9 mm
225/265	X Multi T SA (1)	Trailer	16049	16/32"	13 mm
	XZA	All-position	94169	15/32"	12 mm
	XZA Siped	All-position	91816	15/32"	12 mm
	XZE	All-position	55240	18/32"	14 mm
	XZE Siped	All-position	70056	18/32"	14 mm
	XZY	All-position	66458	18/32"	14 mm
	XDA2 23 AT	Drive	60625	23/32	18 mm
225\#9.5	XDC 22	Drive	84986	22/32"	17 mm
	XDHT	Drive	61815	23/32"	18 mm
					10 111111
	XDHT Siped	Drive	59826	23/32"	18 mm
	XM+S4	Drive Drive			1
	XM+S4 XDY	Drive Drive	59826 67565 87485	23/32" 21/32" 26/32"	18 mm 16.5 mm 21 mm
	XM+S4 XDY XTA-2	Drive Drive Trailer	59826 67565 87485 75178	23/32" 21/32" 26/32" 11/32"	18 mm 16.5 mm 21 mm 9 mm
	XM+S4 XDY XTA-2 XTA-2 Siped	Drive Drive Trailer Trailer	59826 67565 87485 75178 76406	23/32" 21/32" 26/32" 11/32" 11/32"	18 mm 16.5 mm 21 mm 9 mm
	XM+S4 XDY XTA-2 XTA-2 Siped XZUS	Drive Drive Trailer Trailer All-position	59826 67565 87485 75178 76406 19842	23/32" 21/32" 26/32" 11/32" 11/32" 26/32"	18 mm 16.5 mm 21 mm 9 mm 9 mm 21 mm
	XM+54 XDY XTA-2 XTA-2 Siped XZUS XZY3	Drive Drive Trailer Trailer All-position All-position	59826 67565 87485 75178 76406 19842 41385	23/32" 21/32" 26/32" 11/32" 11/32" 26/32" 24/32"	18 mm 16.5 mm 21 mm 9 mm 9 mm 21 mm 19 mm
	XM+S4 XDY XTA-2 XTA-2 Siped XZUS XZY3 X Line Energy D	Drive Drive Trailer Trailer All-position All-position Drive	59826 67565 87485 75178 76406 19842 41385 27357	23/32" 21/32" 26/32" 11/32" 11/32" 26/32" 24/32" 21/32"	18 mm 16.5 mm 21 mm 9 mm 9 mm 21 mm 19 mm 16.5 mm
	XM+S4 XDY XTA-2 XTA-2 Siped XZUS XZY3 X Line Energy D XD4	Drive Drive Trailer Trailer All-position All-position Drive Drive	59826 67565 87485 75178 76406 19842 41385 27357 78304	23/32" 21/32" 26/32" 11/32" 11/32" 26/32" 24/32" 21/32" 28/32"	18 mm 16.5 mm 21 mm 9 mm 9 mm 21 mm 19 mm 16.5 mm 22 mm
	XM+S4 XDY XTA-2 XTA-2 Siped XZUS XZY3 X Line Energy D XD4 XDN2	Drive Drive Trailer Trailer All-position All-position Drive Drive Drive	59826 67565 87485 75178 76406 19842 41385 27357 78304 87596	23/32" 21/32" 26/32" 11/32" 11/32" 26/32" 24/32" 21/32" 28/32" 27/32"	18 mm 16.5 mm 21 mm 9 mm 9 mm 21 mm 19 mm 16.5 mm 22 mm 21.5 mm
	XM+S4 XDY XTA-2 XTA-2 Siped XZUS XZY3 X Line Energy D XD4 XDN2 X Multi Energy D	Drive Drive Trailer Trailer All-position Drive Drive Drive Drive Drive	59826 67565 87485 75178 76406 19842 41385 27357 78304 87596 54772	23/32" 21/32" 26/32" 11/32" 11/32" 26/32" 24/32" 21/32" 28/32" 27/32" 21/32"	18 mm 16.5 mm 21 mm 9 mm 9 mm 21 mm 19 mm 16.5 mm 22 mm 21.5 mm
230	XM+S4 XDY XTA-2 XTA-2 Siped XZUS XZY3 X Line Energy D XD4 XDN2 X Multi Energy D MD XDN2 (2)	Drive Drive Trailer Trailer All-position Drive Drive Drive Drive Drive Drive Drive	59826 67565 87485 75178 76406 19842 41385 27357 78304 87596 54772	23/32" 21/32" 26/32" 11/32" 11/32" 26/32" 24/32" 21/32" 28/32" 27/32" 21/32" 20/32"	18 mm 16.5 mm 21 mm 9 mm 9 mm 21 mm 19 mm 16.5 mm 22 mm 21.5 mm 17 mm 16 mm
230	XM+S4 XDY XTA-2 XTA-2 Siped XZUS XZY3 X Line Energy D XD4 XDN2 X Multi Energy D MD XDN2 (2) XDE M/S	Drive Drive Trailer Trailer All-position Drive	59826 67565 87485 75178 76406 19842 41385 27357 78304 87596 54772 89804	23/32" 21/32" 26/32" 11/32" 11/32" 26/32" 24/32" 21/32" 28/32" 27/32" 20/32" 22/32"	18 mm 16.5 mm 21 mm 9 mm 9 mm 21 mm 19 mm 16.5 mm 22 mm 21.5 mm 17 mm 16 mm 17 mm
230	XM+S4 XDY XTA-2 XTA-2 Siped XZUS XZY3 X Line Energy D XD4 XDN2 X Multi Energy D MD XDN2 (2) XDE M/S XDS2+	Drive Drive Trailer Trailer All-position Drive	59826 67565 87485 75178 76406 19842 41385 27357 78304 87596 54772 89804 86443 17019	23/32" 21/32" 26/32" 11/32" 11/32" 26/32" 24/32" 21/32" 28/32" 27/32" 20/32" 22/32" 25/32"	18 mm 16.5 mm 21 mm 9 mm 9 mm 21 mm 19 mm 16.5 mm 22 mm 21.5 mm 17 mm 16 mm 17 mm 20 mm
230	XM+S4 XDY XTA-2 XTA-2 Siped XZUS XZY3 X Line Energy D XD4 XDN2 X Multi Energy D MD XDN2 (2) XDE M/S XDS2+ X Multi D	Drive Drive Trailer Trailer All-position Drive	59826 67565 87485 75178 76406 19842 41385 27357 78304 87596 54772 89804 86443 17019	23/32" 21/32" 26/32" 11/32" 26/32" 24/32" 21/32" 28/32" 21/32" 20/32" 25/32" 28/32"	18 mm 16.5 mm 21 mm 9 mm 9 mm 21 mm 19 mm 16.5 mm 22 mm 21.5 mm 17 mm 16 mm 17 mm 20 mm 22 mm
230	XM+S4 XDY XTA-2 XTA-2 Siped XZUS XZY3 X Line Energy D XD4 XDN2 X Multi Energy D MD XDN2 (2) XDE M/S XDS2+ X Multi D XDUS	Drive Drive Trailer Trailer All-position Drive	59826 67565 87485 75178 76406 19842 41385 27357 78304 87596 54772 89804 86443 17019 16430 15175	23/32" 21/32" 26/32" 11/32" 26/32" 24/32" 21/32" 28/32" 27/32" 20/32" 25/32" 28/32" 28/32" 32/32"	18 mm 16.5 mm 21 mm 9 mm 9 mm 21 mm 19 mm 16.5 mm 22 mm 21.5 mm 17 mm 16 mm 17 mm 20 mm 22 mm 22 mm 25 mm
230	XM+S4 XDY XTA-2 XTA-2 Siped XZUS XZY3 X Line Energy D XD4 XDN2 X Multi Energy D MD XDN2 (2) XDE M/S XDS2+ X Multi D XDUS XDY-EX	Drive Drive Trailer All-position All-position Drive	59826 67565 87485 75178 76406 19842 41385 27357 78304 87596 54772 89804 86443 17019 16430 15175	23/32" 21/32" 26/32" 11/32" 26/32" 24/32" 21/32" 28/32" 27/32" 20/32" 25/32" 28/32" 32/32" 32/32"	18 mm 16.5 mm 9 mm 9 mm 21 mm 19 mm 19 mm 16.5 mm 22 mm 21.5 mm 17 mm 16 mm 17 mm 20 mm 22 mm 25 mm
230	XM+S4 XDY XTA-2 XTA-2 Siped XZUS XZY3 X Line Energy D XD4 XDN2 X Multi Energy D MD XDN2 (2) XDE M/S XDS2+ X Multi D XDUS XDY-EX X WORKS D	Drive Drive Trailer Trailer All-position Drive	59826 67565 87485 75178 76406 19842 41385 27357 78304 87596 54772 89804 86443 17019 16430 15175	23/32" 21/32" 26/32" 11/32" 26/32" 24/32" 21/32" 28/32" 27/32" 20/32" 22/32" 25/32" 28/32" 32/32" 30/32"	18 mm 16.5 mm 21 mm 9 mm 9 mm 21 mm 19 mm 16.5 mm 22 mm 21.5 mm 17 mm 16 mm 17 mm 20 mm 22 mm 22 mm 25 mm
230	XM+S4 XDY XTA-2 XTA-2 Siped XZUS XZY3 X Line Energy D XD4 XDN2 X Multi Energy D MD XDN2 (2) XDE M/S XDS2+ X Multi D XDUS XDY-EX	Drive Drive Trailer Trailer All-position All-position Drive	59826 67565 87485 75178 76406 19842 41385 27357 78304 87596 54772 89804 86443 17019 16430 15175 11534 65890	23/32" 21/32" 26/32" 11/32" 26/32" 24/32" 21/32" 28/32" 27/32" 20/32" 25/32" 28/32" 32/32" 32/32"	18 mm 16.5 mm 21 mm 9 mm 9 mm 21 mm 19 mm 16.5 mm 22 mm 21.5 mm 17 mm 16 mm 17 mm 20 mm 22 mm 25 mm 24 mm
230 / 9.5	XM+S4 XDY XTA-2 XTA-2 Siped XZUS XZY3 X Line Energy D XD4 XDN2 X Multi Energy D MD XDN2 (2) XDE M/S XDS2+ X Multi D XDUS XDY-EX X WORKS D X Line Energy T	Drive Drive Trailer Trailer All-position All-position Drive Trailer	59826 67565 87485 75178 76406 19842 41385 27357 78304 87596 54772 89804 86443 17019 16430 15175 11534 65890 69941	23/32" 21/32" 26/32" 11/32" 11/32" 26/32" 24/32" 21/32" 28/32" 27/32" 21/32" 20/32" 22/32" 22/32" 28/32" 32/32" 32/32" 30/32" 11/32"	18 mm 16.5 mm 21 mm 9 mm 9 mm 19 mm 19 mm 16.5 mm 22 mm 21.5 mm 17 mm 16 mm 17 mm 20 mm 22 mm 25 mm 25 mm 27 mm

MICHELIN RETREAD QUICK REFERENCE TREAD GUIDE

STANDARD SIZES Tread Size Size \# DIE Spread Axle Sizes

				TREAD	DEPTH
TREAD SIZE	RETREAD	POSITION	MSPN	32nds	mm
220 / 0.5	CD-LL	Drive	57932	14/32"	11 mm
230 / 9.5	IT2	Trailer	68299	11/32"	9 mm
	XZY	All-position	92668	18/32"	14 mm
232\#10	XDA2 23 AT	Drive	80338	23/32	18 mm
232\#10	XDHT	Drive	87926	23/32"	18 mm
	XDY	Drive	48059	26/32"	21 mm
238\#10.5	XZY	All-position	47479	18/32"	14 mm
	XZA	All-position	55653	20/32"	16 mm
	XZE	All-position	05814	18/32"	14 mm
	XZE Siped	All-position	07094	18/32"	14 mm
	XZE2+	All-position	14935	20/32"	16 mm
	XZU2 (2)	All-position	11107	24/32"	20 mm
	XZUS	All-position	21725	26/32"	21 mm
	XZY3	All-position	43241	24/32"	19 mm
	X Line Energy D	Drive	27540	21/32"	16.5 mm
	XDHT	Drive	10984	23/32"	18 mm
	XDN2	Drive	22661	27/32"	21.5 mm
240	X Multi Energy D	Drive	05189	21/32"	17 mm
240	XDS2+	Drive	17405	25/32"	20 mm
	X Multi D	Drive	89939	28/32"	22 mm
	XDUS	Drive	13197	32/32"	25 mm
	XDY	Drive	70606	32/32"	25 mm
	XDY-EX	Drive	73643	32/32"	25 mm
	X Works D	Drive	24439	30/32"	24 mm
	X Line Energy T	Trailer	70128	11/32"	9 mm
	X Line Energy T Siped	Trailer	23951	11/32"	9 mm
	XTA	Trailer	26264	16/32"	13 mm
	XTA-2	Trailer	75540	11/32"	9 mm
	XTA-2 Siped	Trailer	76895	11/32"	9 mm
245/285	X Multi T SA (1)	Trailer	17117	16/32"	13 mm

⁽¹⁾ Tread widths with two measurements have wings. The first number is tread base width in mm. The second

TREAD SIZE	RETREAD		MSPN	TREAD DEPTH	
		POSITION		32nds	mm
250	XZE	All-position	06514	18/32"	14 mm
	XZE Siped	All-position	07732	18/32"	14 mm
	XZE2+	All-position	14439	20/32"	16 mm
	XZU2	All-position	11486	24/32"	20 mm
	XZUS	All-position	88244	26/32"	21 mm
	XZY	All-position	64343	20/32"	16 mm
	XZY3	All-position	48547	24/32"	19 mm
	XDN2	Drive	11114	27/32"	21.5 mm
	XDS2+	Drive	17979	25/32"	20 mm
	X Multi D	Drive	49017	28/32"	22 mm
	XDUS	Drive	17883	32/32"	25 mm
	X Works D	Drive	50960	30/32"	24 mm
	X Line Energy T	Trailer	70263	11/32"	9 mm
	X Line Energy T Siped	Trailer	24032	11/32"	9 mm
252\#12.0	XDY	Drive	88519	32/32"	25 mm
260	XZE2+	All-position	03079	20/32"	16 mm
	XDN2	Drive	12012	27/32"	21.5 mm
	X Multi D	Drive	49862	28/32"	22 mm
	XTA	Trailer	24867	16/32"	13 mm
270	XZUS	All-position	13656	26/32"	21 mm
	XZY3	All-position	48974	24/32"	19 mm
	XDN2	Drive	12230	27/32"	21.5 mm
	XDS2+	Drive	10766	25/32"	20 mm
	XDUS	Drive	22587	32/32"	25 mm
	X Works D	Drive	36616	30/32"	24 mm
280	XZUS	All-position	68447	26/32"	21 mm

WIDE BASE AND X ONE TRAILER SIZES

TREAD SIZE	RETREAD	POSITION	MSPN	TREAD DEPTH	
				32nds	mm
290	X Tweel	All-position	64012	32/32"	15 mm
290/345	XZA Wide Base (1)	All-position	07525	19/32"	15 mm
290/345	XZY3 Wide Base (1)	All-position	65721	22/32"	17 mm
290/345	XTE2 Wide Base (1)	Trailer	34507	20/32"	16 mm
320/365	XZA Wide Base (1)	All-position	08650	19/32"	15 mm
320/365	XZY Wide Base (1)	All-position	30949	20/32"	16 mm
350/395	XZL Wide Base (1)	All-position	75413	30/32"	24 mm
375/425	X One XDS2 (1,2)	Drive	43487	25/32"	20 mm
375/425	X One Line Energy D2 (1)	Drive	77863	22/32"	17 mm
375/425	X One Line Grip D (1)	Drive	68622	27/32"	21 mm
375/425	X One Line Energy T2 (1)	Trailer	47715	13/32"	10.5 mm
375/425	X One Multi Energy T (1)	Trailer	55784	15/32"	12 mm
385/435	X One XZUS (1)	All-position	37269	23/32"	18 mm
385/435	X One XZUS+ (1)	All-position	71480	29/32"	23 mm
385/435	X One XDS2 (1,2)	Drive	19620	25/32"	20 mm
385/435	X One Line Grip D (1)	Drive	70235	27/32"	21 mm
385/435	X One Multi Energy T (1)	Trailer	84963	15/32"	12 mm

⁽¹⁾ Tread widths with two measurements have wings. The first number is tread base width in mm.

The second number is the overall width, wing tip to tip.

(2) Meets the USTMA (U.S. Tire Manufacturers Association) snow traction performance requirements.

Meets the Tire and Rubber Association of Canada (TRAC) requirements for severe snow traction.



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number is the overall width, wing tip to tip.

(2) Federal Motor Carrier Safety Regulations, 9 C.F.R. § 395.75 (d), specify that "no bus shall be operated with regrooved, recapped or retreaded tires on the front wheels."