

MICHELIN® X® TWEEL®
AIRLESS RADIAL TYRE FAMILY



TWEEL®
Airless Radial Tire



WHAT IS A MICHELIN® X® TWEEL® AIRLESS RADIAL TYRE?

NO MAINTENANCE

The MICHELIN® X® TWEEL® airless radial tyre is one single unit, replacing the current tyre and wheel assembly. There is no need for complex mounting equipment and once they are bolted on, there is no air pressure to maintain.

NO COMPROMISE

The unique energy transfer within the poly-resin spokes helps reduce the "bounce" associated with pneumatic tyres, while providing outstanding handling characteristics.

NO DOWNTIME (NO FLATS!)

The TWEEL® airless radial tyre is designed to perform like a pneumatic tyre, but without the inconvenience and downtime associated with flat tyres.

TYPICAL CONSTRUCTION

Tread design optimised by product type for intended application(s).

Michelin's proprietary Comp10 Cable™ forms a semi-rigid "shear beam", and allows the load to hang from the top.

Heavy gauge steel hub.

High strength, poly-resin spokes carry the load and absorb impacts, help dampen the ride, and provide a unique energy transfer that reduces pneumatic bounce.

Zero degree belts (under the tread) and proprietary design provide great lateral stiffness, while resisting damage and absorbing impacts.



WARNING

Use of incorrect mounting hardware can lead to separation of the TWEEL from the vehicle, loss of control, and serious injury or death

MICHELIN® X® TWEEL® SSL AIRLESS RADIAL TYRE

FOR SKID STEERS AND LIGHT
CONSTRUCTION EQUIPMENT



MSPN 64828
Hard Surface Traction

MSPN 34735
All Terrain

REASONS TO BUY

- ✓ Outstanding stability contributes to high machine productivity.
- ✓ Unique spoke design helps reduce “bounce” and driver fatigue associated with pneumatic tyres.
- ✓ Consistent footprint, with tread designed to last 2-3 times longer than a pneumatic tyre at equal tread depth, and capable of being retreaded.

2-PIECE HUB MODELS AVAILABLE WITH ADAPTERS

- Four adapters enable the TWEEL® airless radial tyre to be used with a range of equipment.



2-Piece Hub X TWEEL SSL shown
without a hub adapter installed



**Hub Adapter
MSPN 47139**
12 mm thick 1015
carbon steel / reversible
8.75" (222.3 mm) center diameter
8 x 10.91" bolt pattern
0.79" (20 mm) bolt holes, no taper
Fits front of Case backhoe
loader machines



**Hub Adapter
MSPN 47462**
12 mm thick 1015
carbon steel / reversible
9.0" (228.6 mm) center diameter
8 x 10.75" bolt pattern
0.67" (17 mm) bolt holes, tapered
Fits some Bobcat machines



**Hub Adapter
MSPN 47868**
12 mm thick 1015
carbon steel / reversible
6.0" (152.4 mm) center diameter
8 x 8.0" bolt pattern
0.67" (17 mm) bolt holes, tapered
Use adapter to change offset on
8 x 8.0" standard fitment size



**Hub Adapter
MSPN 47999**
12 mm thick 1015
carbon steel / reversible
Blank for custom applications,
including a specific bolt
configuration not identified here

MSPN	Description	Size	Max Load @ 15Km/h	Tread Depth	Undertread	Weight
34735	X TWEEL SSL All Terrain	12N16.5	1,995 kg	24.5 mm	9.5mm	102 kg
64828	X TWEEL SSL Hard Surface Traction	12N16.5	1,995 kg	38mm	6.5mm	115 kg
37131	X TWEEL SSL All Terrain	10N16.5	1,678 Kg	24.5 mm	8mm	80 kg
76642	X TWEEL SSL All Terrain / 2-Piece Hub	12N16.5	1,995 kg	24.5 mm	9.5mm	102 kg
56289	X TWEEL SSL Hard Surface Traction / 2-Piece Hub	12N16.5	1,995 kg	38mm	6.5mm	115 kg

Product measurements are subject to change and are listed here for your convenience. Please see your MICHELIN representative for up-to-date data.

MICHELIN® X® TWEEL® TURF AIRLESS RADIAL TYRE

**FOR ZERO-TURN
RADIUS MOWERS**



REASONS TO BUY

- ✓ Consistent hub height helps ensure the mower deck produces an even cut.
- ✓ Excellent lateral stability on hillsides and sloped surfaces, and outstanding operator comfort, even when navigating over curbs and other bumps.
- ✓ High performance compounds and an efficient contact patch designed to provide a long wear life that is 2-3 times that of a pneumatic tyre at equal tread depth.



AVAILABLE IN SIZES TO FIT A WIDE RANGE OF MOWERS



**WANT TO KNOW WHICH MODEL FITS YOUR ZERO TURN RADIUS MOWER?
PLEASE REFER TO OUR ONLINE FITMENT GUIDE AT MICHELINTWHEEL.COM**

MSPN	Description	Size	Center Color	Max Load	Wheel Offset (in)	Bolts/ Bolt Circle	Weight (lbs.)
78245	X-Tweel Turf	18x8.5N10	Black	320 kg	-0.5	4x4 in.	12.2 kg
30504	X-Tweel Turf	18x8.5N10	Yellow	320 kg	-0.5	4x4 in.	12.2 kg
01674	X-Tweel Turf	26x12N12	Black	391 kg	-0.87	4x4 in.	26.1 kg
66131	X-Tweel Turf	26x12N12	Yellow	391 kg	-0.87	4x4 in.	26.1 kg
60546	X-Tweel Turf	26x12N12	Black	391 kg	-2.2	5x4.5 in.	6.3 kg
PRODUCTS LISTED BELOW ARE EXCLUSIVE TO JOHN DEERE AND JOHN DEERE DEALERS							
34682	X-Tweel Turf	24x12N12	Yellow	340 kg	-0.75	4x4 in.	21.6 kg
42568	X-Tweel Turf	24x12N12	Yellow	340 kg	-2.2	4x4 in.	21.9 kg
PRODUCTS LISTED BELOW ARE EXCLUSIVE TO SUNBELT OUTDOOR PRODUCTS							
85532	X-Tweel Turf	24x12N12	Black	340 kg	-0.75	4x4 in.	21.6 kg
85932	X-Tweel Turf	24x12N12	Black	340 kg	-2.2	4x4 in.	21.9 kg
54411	X-Tweel Turf	24x12N12	Black	340 kg	-1.3	5x4.5 in.	21.6 kg

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13" CASTER FITS MOST MOWERS

Durable, poly-resin tread helps provide long wear life.

Integrated metal center hub with OEM quality sealed bearings, available for 5/8" and 3/4" diameter axle bolts. Spacers are available to adapt fit for a variety of popular mowers.

Unique circular outer beam functions like a spring, creating suspension like characteristics for the front of the mower.



WARNING

Use of incorrect mounting hardware can lead to separation of the TWEEL from the vehicle, loss of control, and serious injury or death

Available late 2018



Grooved Tread
MSPN 24085 &
MSPN 52441



Smooth Tread
MSPN 41011 &
MSPN 05768

MSPN	Description	Size	Tread	Max Load	Wheel Offset (in)	Axle Bolt Dia.	Weight (lbs.)
24085	X-Tweel Turf Caster	13x6.5N6	Grooved	132 kg	0	5/8"	5.3 kg
52441	X-Tweel Turf Caster	13x6.5N6	Grooved	132 kg	0	3/4"	5.3 kg
41011	X-Tweel Turf Caster	13x6.5N6	Smooth	132 kg	0	5/8"	5.4 kg
05768	X-Tweel Turf Caster	13x6.5N6	Smooth	132 kg	0	3/4"	5.4 kg

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HUB DIAMETER / SPACERS

The TWEEL® caster is available for 5/8" and 3/4" diameter axle bolt diameters (see chart above for part numbers).

NOTE: Depending on axle diameter and fork width, spacers may be required for proper installation. Refer to the chart on the right for part numbers and dimensions.*

Additional machine / spacer information is available online at michelintweel.com.

* Note: John Deere 997 uses two 0.5 in. washers

MSPN	Item	Axle Bolt Diameter	Bushing Width	Assembly / Fork Inside Width
34578		1/2"	5/16"	6-3/8"
38182		1/2"	5/8"	7"
40653		1/2"	1"	7-3/4"
65019		3/4"	1"	7-3/4"

MICHELIN® X® TWEEL® UTV AIRLESS RADIAL TYRE

FOR ALL-TERRAIN AND
UTILITY-TERRAIN VEHICLES



REASONS TO BUY

- ✓ Designed specifically for difficult environments and conditions where vehicles are exposed to rugged roads, jagged terrain and other elements hostile to ordinary tyres.
- ✓ Full width poly-resin spokes help dampen the ride for enhanced operator comfort, while providing outstanding lateral stiffness, excellent cornering and side-hill stability.
- ✓ Low pressure contact patch helps provide outstanding off-road traction.



MSPN 07195 &
MSPN 65631



MSPN 38483 &
MSPN 01638



MSPN 34190



MSPN 07182 &
MSPN 36384



MSPN 43096



MSPN	Description	Size	Max Load	Max Speed	Hub Color	Bolt Pattern	Offset	Lug Nut Seat Type	Center Hole Dia.	Weight
07195 *	X® TWEEL® ATV	26x9N14	230 kg	60 kph	Flat Black	4x110 mm	+45mm	60° Conical/Tapered	2.7 in	23 kg
65631 *	X® TWEEL® UTV	26x9N14	324 kg	80 kph	Flat Black	4x110 mm	+52 mm	60° Conical/Tapered	2.7 in	26 kg
38483	X® TWEEL® UTV	26x9N14	324 kg	60 kph	Flat Black	4x156 mm	+41 mm	60° Conical/Tapered	5.2 in	23 kg
01638 *	X® TWEEL® UTV	26x9N14	324 kg	80 kph	Flat Black	4x156 mm	+30 mm	60° Conical/Tapered	5.2 in	23 kg
34190	X® TWEEL® UTV	26x9N14	324 kg	60 kph	Desert Tan (FDE)	4x137 mm	+48 mm	60° Conical/Tapered	4.1 in	23 kg
01782	X® TWEEL® UTV	26x9N14	324 kg	60 kph	Flat Black	4x137 mm	+48 mm	60° Conical/Tapered	4.1 in	23 kg
36384 *	X® TWEEL® UTV	26x9N14	324 kg	80 kph	Flat Black	4x137 mm	+48 mm	60° Conical/Tapered	4.1 in	23 kg
43096 *	X® TWEEL® UTV	26x9N14	324 kg	80 kph	Flat Black	5x4.5 in.	+25 mm	60° Conical/Tapered	3.13 in	23 kg

* Available Early 2019

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**MICHELIN X TWEEL TURF
AIRLESS RADIAL TYRE**

**FOR GOLF CARTS AND
UTILITY VEHICLES**



REASONS TO BUY

- ✓ Unique spoke design helps dampen the ride for enhanced rider comfort when driving over gravel, uneven pavement, and bumps.
- ✓ Full width poly-resin spokes help provide outstanding lateral stiffness for excellent side-hill stability.
- ✓ Designed to provide excellent traction and long wear life – up to two times longer than a pneumatic golf cart tyre.



MSPN 09653
Golf cart hub
(includes center dust cap)



MSPN 78245
Utility vehicle hub
(shown on left)

**WARNING**

Use of incorrect mounting hardware can lead to separation of the TWEEL from the vehicle, loss of control, and serious injury or death

MSPN	Size / Description	Size	Wheel Offset	Max Speed	Max Load	Bolts/ Bolt Circle	Weight (lbs.)
09653	X® TWEEL® TURF for Golf Carts	18x8.5N10 (205/50N10)	-0.5 in	40 kph	320 kg	4x4 in.	12.5 kg
78245	X® TWEEL® TURF for Utility Vehicles	18x8.5N10 (205/50N10)	-0.5 in	40 kph	320 kg	4x4 in.	12.2 kg

Product measurements are subject to change and are listed here for your convenience. Please see your MICHELIN representative for up-to-date data.





TWHEEL®

Airless Radial Tire

***TRANSFORMING THE
FUTURE OF MOBILITY***

micheelintweel.com

