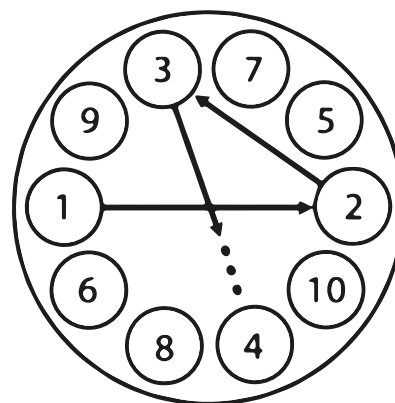


*MICHELIN X<sup>®</sup> TWEEL<sup>™</sup> TMF AIRLESS RADIAL TIRE*

**PROPER INSTALLATION INSTRUCTIONS  
FOR TRUCK-MOUNTED FORKLIFTS**



Star Pattern  
Sequence for  
Tightening  
Lug Bolts



10-Bolt Hub

**ACTION REQUIRED**

- Michelin X<sup>®</sup> Tweel<sup>™</sup> tires bolt directly on the machine with standard mounting bolts.
  - Use only MOFFET M14-1.50 Wheel Nuts (Hiab MOFFET Part Number 503.055.0345).
  - Hand tighten wheel lug nuts until no wobble is evident.
  - Torque each wheel lug nut to **150 ft. lbs. in a star pattern** (refer to diagram above).
  - Check torque after first 10 hours of use, and during every maintenance interval.
- Bar code is on the interior of the Tweel<sup>™</sup> tire.
- 2-Way travel machines do not require ballast (except certain models w/ cab or 13' mast).
- 4-Way travel machines will require a Tweel-specific ballast.
- Contact Equipment Manufacturer for ballast and ballast installation guidelines.
- 4-Way travel Tweel<sup>™</sup>, MSPN 05972, will launch in late 2024.
- To optimize traction performance while operating in loose, unpacked sand, it is recommended to feather the throttle and/or lock the differential in accordance with equipment manufacturer guidelines.
- Always follow the vehicle manufacturer's requirements regarding wheel counterweights for operational stability.

**⚠ WARNING**

The maximum speed capability of a vehicle is limited by the lowest speed rated tire on the vehicle. Do not mix sizes on the same axle. Follow manufacturer's recommendations.



## MICHELIN X<sup>®</sup> TWEEL<sup>™</sup> TMF AIRLESS RADIAL TIRE ADDITIONAL DETAILS

### BACK-SPACING (BOTH MODELS)

Hiab Part Number	Michelin MSPN	Michelin CAI CAD	Size / Description	Bolt Pattern	Offset	Back-Spacing (Standard)	Back-Spacing (Reversed)
060.999.0126	05972	355720_101	31.5X13N16.5 XTWEEL TMF 10-140MM +46MM	10-140 mm	+46 mm	4"	8"
060.999.0127	15204	262815_101	31.5X13N16.5 XTWEEL TMF 10-140MM +13MM	10-140 mm	+13 mm	5-1/4"	6-3/4"



### APPROVED MODELS

Brand	Model	Travel	MSPN (Front)	Front Tweels (2) Mount Orientation	MSPN (Rear)	Rear Tweel Mount Orientation
MOFFETT	M8 55.3 NX	2-Way	15204	060.999.1027 / (std)	15204	060.999.1027 / (std)
MOFFETT	M8 55.3P NX	2-Way	15204	060.999.1027 / (std)	15204	060.999.1027 / (std)
MOFFETT	M8 70.3 NX	2-Way	15204	060.999.1027 / (std)	15204	060.999.1027 / (std)
MOFFETT	M8 55.4 NX	4-Way	05972	060.999.1026 / (std)	15204	060.999.1027 / (std)
MOFFETT	M8 55.4P NX	4-Way	05972	060.999.1026 / (std)	15204	060.999.1027 / (std)
MOFFETT	M8 70.4 NX	4-Way	05972	060.999.1026 / (std)	15204	060.999.1027 / (std)
PRINCETON	PB55.3+	2-Way	15204	060.999.1027 / (std)	15204	060.999.1027 / (std)
PRINCETON	PB55.3X+	2-Way	15204	060.999.1027 / (std)	15204	060.999.1027 / (std)
PRINCETON	PB55.4+	4-Way	05972	060.999.1026 / (std)	15204	060.999.1027 / (std)
PRINCETON	PB70.3+	2-Way	15204	060.999.1027 / (std)	15204	060.999.1027 / (std)

### WAYS TO INCREASE THE LIFE OF A MICHELIN X<sup>®</sup> TWEEL<sup>™</sup> TMF AIRLESS RADIAL TIRE

- Repair any/all cracked spokes as soon as possible to blunt the crack tip and slow crack growth.
- Refer to Technical Bulletins available from [tweel.michelinman.com](http://tweel.michelinman.com) or contact your local dealer for questions regarding spoke crack repairs.
- Tweel<sup>™</sup> spokes are not indestructible. It is important to avoid hard impacts and sharp objects as much as possible.

