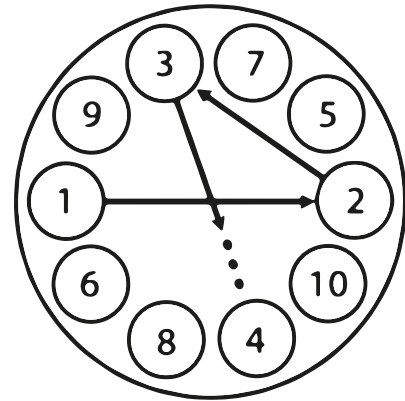


## MICHELIN X<sup>®</sup> TWEEL<sup>™</sup> TMF AIRLESS RADIAL TIRE

# 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).
- Moffett M8 and Princeton 4-Way travel machines \require a Tweel-specific ballast. Moffett M5 4-way travel machines do not require a ballast. Refer to chart on reverse side.
- 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 ballasts 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™ 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"



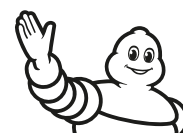
### APPROVED MODELS

Brand	Model	Travel	MSPN (Front)	Front Tweels (2)	MSPN (Rear)	Rear Tweel	Tweel Ballast Required
MOFFETT	M5 50.3 NX	2-Way	15204	060.999.0127	15204	060.999.0127	n/a
MOFFETT	M5 50.3P NX	2-Way	15204	060.999.0127	15204	060.999.0127	n/a
MOFFETT	M5 50.4 NX	4-Way	05972	060.999.0126	15204	060.999.0127	n/a
MOFFETT	M5 50.4P NX	4-Way	05972	060.999.0126	15204	060.999.0127	n/a
MOFFETT	M8 55.3 NX	2-Way	15204	060.999.0127	15204	060.999.0127	n/a
MOFFETT	M8 55.3P NX	2-Way	15204	060.999.0127	15204	060.999.0127	n/a
MOFFETT	M8 70.3 NX	2-Way	15204	060.999.0127	15204	060.999.0127	n/a
MOFFETT	M8 55.4 NX	4-Way	05972	060.999.0126	15204	060.999.0127	Front Position*
MOFFETT	M8 55.4P NX	4-Way	05972	060.999.0126	15204	060.999.0127	Front Position*
PRINCETON	PB50.3+	2-Way	15204	060.999.0127	15204	060.999.0127	n/a
PRINCETON	PB50.4+	4-Way	05972	060.999.0126	15204	060.999.0127	n/a
PRINCETON	PB55.3+	2-Way	15204	060.999.0127	15204	060.999.0127	n/a
PRINCETON	PB55.3X+	2-Way	15204	060.999.0127	15204	060.999.0127	n/a
PRINCETON	PB55.4+	4-Way	05972	060.999.0126	15204	060.999.0127	Front Position*
PRINCETON	PB70.3+	2-Way	15204	060.999.0127	15204	060.999.0127	n/a

\* Ballast Kit: Hiab Part number: 090.280.0019. NOTE: Installation of MICHELIN X<sup>®</sup> Tweel™ TMF on the front of the 4-Way models noted above requires installation of an additional wheel ballast kit which will be made available for purchase separately through Hiab USA Inc. Spare Parts.

### WAYS TO INCREASE THE LIFE OF A MICHELIN X<sup>®</sup> TWEEL™ 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™ spokes are not indestructible.** It is important to avoid hard impacts and sharp objects as much as possible.



**MICHELIN**