



MTec6 - The Lightest Trailer Axle in the Industry #644

Date: 4/18/2017

Subject: MTec6 – The Lightest Trailer Axle in the Industry

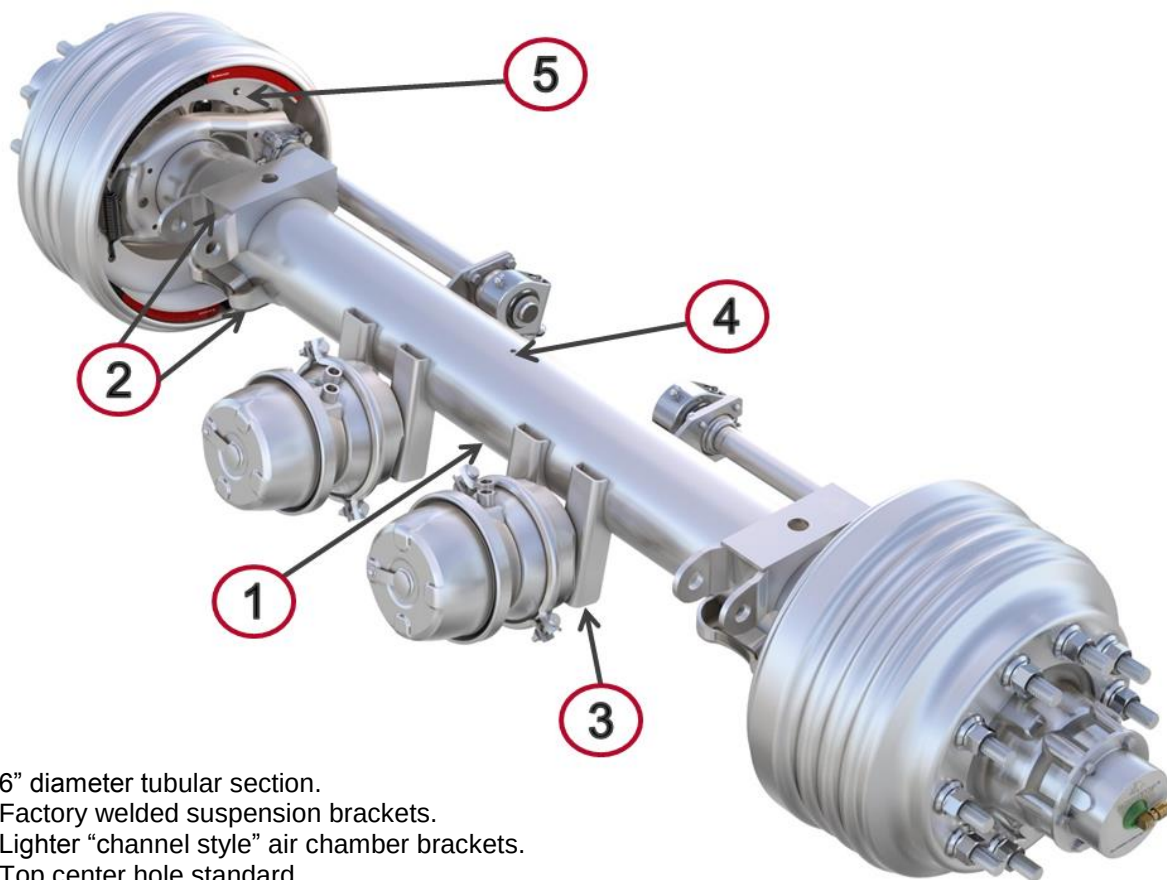
Models: All applicable

Product Information Letter

4/18/2017

Meritor is pleased to announce the availability of MTec6™, the lightest trailer axle in the industry. MTec6™ offers industry leading weight savings (40lbs. vs. a typical 5" axle), structural advantages and increased performance to maximize fleet productivity.

MTec6 Axle features



1. 6" diameter tubular section.
2. Factory welded suspension brackets.
3. Lighter "channel style" air chamber brackets.
4. Top center hole standard
5. Platinum shield brake shoes standard.



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MTec6 axles are available in the following configurations starting May 1, 2017.

Axle Spindles	TP (Parallel) & TN (Tapered)
Track	71.5" and 77.5"
Brake Types	Cam Brake & Disc Brake (P spindle only)
Cam Brake Sizes	16.5" x 7" and 16.5" x 8.625"
GAWR	22.5 K lbs.
Spring Seat Height	.75" – 4.25"
Spring Mounting Centers	36", 38", 42", 44"
Suspension Compatibility	Hutchens
Tire Inflation System	MTIS by P.S.I.

More configurations such as SAF Holland suspension brackets and 25K lbs. GAWR will be available in the summer of 2017.

MTec6 axle part numbers can be identified by the letter "M" in the axle part number, e.g. TPM4671L1023. For more information regarding MTec6 axle part number nomenclature please refer to Meritor's Trailer Axles Maintenance Manual 14 (MM14) available on our literature on demand site at www.meritor.com/lod.

For your convenience, the following table shows part numbers for different configurations of 0.75" Spring Seat Height axles that are ready to order.

Axle Part Number	Spindle	Track	GAWR	Spring Seat Height (SSH)	Spring Mounting Centers (SMC)	Cam Brake Size	Suspension
TNM4671L1018	TN	77.5"	22.5 K lbs.	0.75"	44"	16.5" x 7"	Hutch
TNM4671L1019	TN	71.5"	22.5 K lbs.	0.75"	38"	16.5" x 7"	Hutch
TPM4671L1023	TP	77.5"	22.5 K lbs.	0.75"	44"	16.5" x 7"	Hutch
TPM4671L1026	TP	71.5"	22.5 K lbs.	0.75"	38"	16.5" x 7"	Hutch
WPM4671L1001	WP	77.5"	22.5 K lbs.	0.75"	44"	16.5" x 7"	Hutch
WPM4671L1000	WP	71.5"	22.5 K lbs.	0.75"	38"	16.5" x 7"	Hutch

Please contact your Meritor account manager or your customer service representative for any axle configuration not included in the list above.



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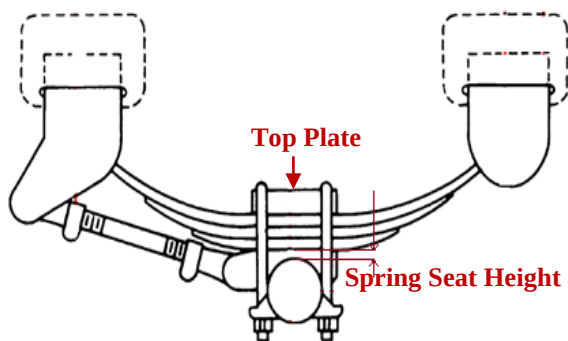
Specification Recommendations

It is important to note that due to the increase in diameter, the spring seat height, which is defined as the distance between the top of the axle and the top of the spring seat bracket, is different in an MTec6 axle vs. a traditional 5" axle. Please use the reference table below as guidance when specifying your MTec6 axle to ensure proper fit up.

5" Axle (Spring Seat Height)	MTec6 Equivalent (Spring Seat Height)
0.75"	Not Available
1.25"	0.75"
1.75"	1.25"
2.25"	1.75"
2.75"	2.25"
3.25"	2.75"
3.75"	3.25"
4.25"	3.75"

Another consideration that needs to be made when specifying MTec6 axles is that the U-Bolts need to be 0.5" longer than those used in the equivalent 5" axle set up.

The following table illustrates an example of the U-Bolt length required for a typical 3 leaf spring set up using an MTec6 axle with 0.75" spring seat height vs. 5" axle equivalent. The U-Bolt length required for MTec6 is 11 3/4" vs. 11 1/4" required for 5" axle.



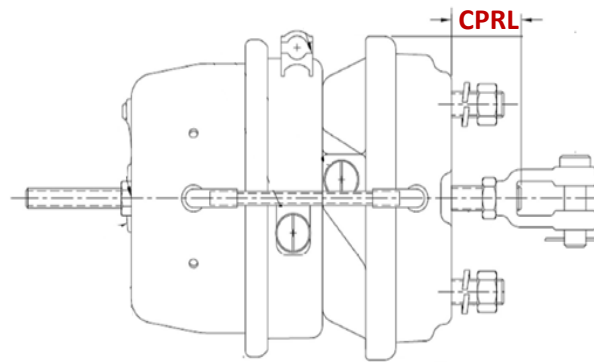
5" Axle		MTec6 Axle	
Spring Seat Height	U-Bolt Length	Spring Seat Height	U-Bolt Length
0.75"	10 3/4"	Not Available	N/A
1.25"	11 1/4"	0.75"	11 3/4"
1.75"	11 3/4"	1.25"	12 1/4"
2.25"	12 1/4"	1.75"	12 3/4"
2.75"	12 3/4"	2.25"	13 1/4"
3.25"	13 1/4"	2.75"	13 3/4"

MTec6 suspension brackets are designed to accept a 3/4" thick U-Bolts and are welded to accommodate an overslung suspension configuration only. Meritor will supply the top plate; however the U-Bolts, springs and corresponding hardware are to be supplied by the suspension manufacturer or another source.



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The final consideration to be made when specifying MTec6 axles relates to the air chamber. MTec6 axles require air chambers with a push rod length (CPRL) of $7 \frac{1}{16}$ ". New part numbers that replace those used in 5" axles are available for order from Meritor.



Use the below table as a reference guide to spec the correct air chamber for your application.

Current 5" Axle		New MTec6 Axle	
Manufacturer Part Number	Meritor Part Number	Manufacturer Part Number	Meritor Part Number
3030TL2-2646	D46 3276D30	3030TL2-4179	E58-3276D30
30SCL2-2754	D54 3276D30	30SCL2-4176	E55-3276D30
30SCL2-2757	D57 3276D30	30SCL2-4177	E56-3276D30
3030TL3-2897	D71 3276D30	3030TL3-4178	E57-3276D30
30SCN2-2035	W65 3276D30	30SCN2-418	W93-3276D30
3030TN2-1566	W77 3276D30	3030TN2-4182	W97-3276D30
3030TL2-2059	W85 3276D30	3030TL2-4180	W92-3276D30
TR2424L/3427129	B59 3276X24	3427136	D96-3276D30
TR2424L/3427130	B60 3276X24	3427137	D97-3276D30
TR2424L/3427131	B61 3276X24	3427138	D98-3276D30
3130190	U61 3276D30	3430276	E63-3276D30
164099	B63 3276D30	1393030557	E62-3276D30



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With the exception of the air chamber, it is important to note that all cam brake components such as bushings, linings, brake shoes, etc. are common between MTec6 and current 5" Meritor axles. If you have any questions regarding parts availability, please contact your Meritor's Commercial Vehicle Aftermarket Services (CVA) customer service representative or call 888 725 9355.

MTec6 can be used in any application rated up to 22.5K lbs. GAWR. This product is proven to match or exceed the performance of the 5" axle in the numerous tests it was subjected to. If you have questions concerning the MTec6 axle, contact OnTrac at 1-888-668-7221 (OnTrac1) for assistance, or your Meritor account manager or customer service representative. For online access to our latest product, technical and training information, visit the Meritor Literature on Demand site at Meritor.com/lod.

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