



Dunlop SP346 & SP446 17.5" & 19.5" Fact Sheet

The SP346 and SP446 range of light tonnage steer and drive truck tires in 17.5" and 19.5" rim diameters lines have been specifically designed to offer high mileage, strong mobility in all weather conditions and enhanced durability in all applications and replace the SP344 and SP444 lines.

Construction

The SP346 and SP446 lines feature a very robust carcass structure that offers durability and peace of mind for the user. The main features are a strong belt structure and a robust bead area. The Steer design is optimised for tread durability, while providing excellent mileage. The Drive design can cope with a high variability of loads. Both the SP346 and the SP446 feature premium tread compounds for maximised performance.

Compounds

The tread compounds, which have chemical formulations to withstand the high contact stresses, give premium cool running combined with high abrasion resistance for improved mileage¹, optimised rolling resistance and protection against cutting and chunking in adverse conditions.

SP346 17.5" & 19.5" Steer Tyres

The SP346 combines robust design with high mileage plus 3PMSF marking on all sizes. All SP346 tyres have a five-rib tread pattern apart from the 245/70R17.5" and 265/70R17.5 sizes, which have four. High mileage potential and increased robustness are benefits of the rib design, which is adapted to the size range requirements. The width of the tread ribs help distribute load pressure evenly and maintain a constant footprint. The resulting Net-to-Gross ratio provides enhanced mileage thanks to the high wearable tread volume.

The new tread design features a high density of sipes and radial grooves. The sipes improve the flexibility of the tread blocks and provide a high number of biting edges, while the interlocking zig zag design helps limit rib movement. This means less slip and higher mileage potential with excellent grip on wet and winter roads. A further feature is the multi-radius shoulder groove design, improving the robustness along with the extended tread life. The variable groove angles provide improved stone ejection; reducing the risk of casing damage and providing good retreadability.

SP446 17.5" & 19.5" Drive Tyres

Unlike its predecessor, the SP446 has a directional pattern tread with optimized angle V-shape grooves. These grooves effectively evacuate water, mud and snow while the V angle design increases the tread stiffness and resistance against high-torque stresses. This provides greater traction and robustness. A high number of sipes increases the tread block flexibility and creates additional biting edges in the footprint for increased traction on hard packed snow surfaces. This means improved grip level on all surfaces throughout tyre life as well as excellent winter mobility.

¹ Compared with SP344 & SP444 tyres.



Shoulder tie-bars increase the stiffness of the tread and reinforce the shoulder areas. This reduces block movement and slippage, increasing rib tear resistance in high torque applications and ensuring even shoulder wear.

High mileage potential, good traction and reduced rolling resistance are provided thanks to the optimized centreline humps. These humps connect the tread blocks and reduce tread wear for improved late life traction.

To highlight the improvement of the SP446 in comparison with the SP444 it replaces; in size 245/70R17.5 the label grade for fuel efficiency goes from E to D and wet grip from D to C and noise emissions reducing from two waves to one.

Sizes and availability

Label grades not shown were not available at time of publication.

Size	LI/SI1	LI/SI2	Design	Fuel Efficiency	Wet Grip	dB	Ext. Noise	Comment
205/75 R 17.5	124/122 M	126/124 G	SP346	E	C	71)	5-rib
215/75 R 17.5	126/124 M		SP346	E	C	71)	5-rib
225/75 R 17.5	129/127 M		SP346	E	C	71)	5-rib
235/75 R 17.5	132/130 M		SP346	E	B	71)	5-rib
245/70 R 17.5	136/134 M		SP346	D	B	72))	4-rib
265/70 R 17.5	139/136 M		SP346	C	B	73))	4-rib
245/70 R 19.5	136/134 M		SP346					5-rib
265/70 R 19.5	140/138 M		SP346					5-rib
285/70 R 19.5	146/144 L	144/142 M	SP346					5-rib
305/70 R 19.5	148/145 M		SP346	C	C	72))	5-rib
205/75 R 17.5	124/122 M	126/124 G	SP446	D	C	71)	
215/75 R 17.5	126/124 M		SP446	E	C	72)	
225/75 R 17.5	129/127 M		SP446	D	C	71)	
235/75 R 17.5	132/130 M		SP446	D	C	72)	
245/70 R 17.5	136/134 M		SP446	D	C	72)	
265/70 R 17.5	139/136 M		SP446	D	B	71)	
245/70 R 19.5	136/134 M		SP446					
265/70 R 19.5	140/138 M		SP446					
285/70 R 19.5	146/144 L	144/142 M	SP446					
305/70 R 19.5	148/145 M		SP446	C	C	72)	

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