

2024 ISMA/MSS Gear Rule

(As shown in Rule Book on Page #25)

2.3. Gear/RPM Rule

- A. The target maximum RPM at any ISMA/MSS race event is 7500 RPM for Big Blocks. A target gear ratio will also be specified for each track. (This includes qualifying, time trials, heat races, and features). Competitors may exceed the target RPM or target gear ratio, but not both.
- B. Officials reserve the right to read any competitors tachometer and/or gear ratio at any time during the race event. In addition, officials may install a separate tachometer on any car at any time to verify competitor's tachometer is reading correctly.
- C. The table below gives the target gear ratios for each track. You can exceed these ratios as long as your RPM is 7500 or less. Likewise, you can exceed 7500 RPM's as long as you have the target gear ratio or a lower numerical ratio. If desired to exceed target ratio, the owner must inform the lead technical inspector before installation and remain under the specified maximum RPM.

Track	Size	Gear Ratio	Notes & History
Auto City Speedway	½	4.62	
Berlin Raceway	7/16	4.36	4.36 agreed after 2022 ISMA/MSS Co-Sanction Event
Caraway Speedway	.455	4.66	
Claremont Motorsports Park	1/3	5.06	
Delaware International Speedway	½	4.67	
Evans Mills Raceway	3/8	5.04	
Holland Raceway	3/8	4.86	
Jennerstown Speedway	0.522	4.30	
Kalamazoo Speedway	3/8	5.04	Based on MSS Race held 5/29/21
Lancaster Motorplex	1/2	4.48	
Lee USA Speedway	3/8	5.06	
Lorain Raceway Park	3/8	4.87	Updated to 4.87 for 2023 Season
Lucas Oil Raceway (IRP)	0.686	4.11	3.96 determined not necessary in 2018
Midvale Speedway	3/10	5.36	
Oswego Speedway	5/8	4.27	
Sandusky Speedway	½	4.62	Was 4.71 in 2015, then 4.53 from 2016 to 2021.
Thompson Raceway Park	0.625	4.27	
Toledo Speedway	½	4.36	Was 4.48 in 2015
Waterford Speedbowl	3/8	5.06	
Star Speedway	¼	5.34	