

Gear-Speed Calculator for Freightliner FRED with Cummins 300 HP  
Turbo Diesel and Allison 2200 6-Speed Transmission

Axle Ratio	4.78	Enter the axle ratio here				
<b>Tire Specs</b>						
Size	235.00	Enter metric tire size in MM here				
Profile	80.00	Enter metric tire profile % here				
Rim	22.50	Enter rim diameter in inches here				
Dia	37.10	From the Michelin Spec Sheet				
Cir	116.55	Calculated circumference in inches				
Revs/Mi	543.61	Optionally enter to manually override with Mfg tire specs				
K	0.023	Calculated Mi / Drive Shaft Rev. * 60				
<b>Allison 2200 MH 6 Speed Automatic</b>						
<b>Gear</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>RPM</b>	<b>3.100</b>	<b>1.810</b>	<b>1.410</b>	<b>1.000</b>	<b>0.710</b>	<b>0.610</b>
<b>1000</b>	7	13	16	23	33	38
<b>1100</b>	8	14	18	25	36	42
<b>1200</b>	9	15	20	28	39	45
<b>1300</b>	10	17	21	30	42	49
<b>1400</b>	10	18	23	32	46	53
<b>1500</b>	11	19	25	35	49	57
<b>1600</b>	12	20	26	37	52	61
<b>1700</b>	13	22	28	39	55	64
<b>1800</b>	13	23	29	42	59	68
<b>1900</b>	14	24	31	44	62	72
<b>2000</b>	15	26	33	46	65	76
<b>2100</b>	16	27	34	48	68	79
<b>2200</b>	16	28	36	51	72	83
<b>2300</b>	17	29	38	53	75	87
<b>2400</b>	18	31	39	55	78	91
<b>2500</b>	19	32	41	58	81	95
<b>2600</b>	19	33	43	60	85	98