



- Diagrams to PDF
- Fire Tune
- PDF & Printing Help
- Compare Diagrams
- Help
- Print this Page
- Share
- X Margins
- Directory
- Contact Us
- Calculator
- To Top ↑

Built something using this site? Please Send Photos! See Examples

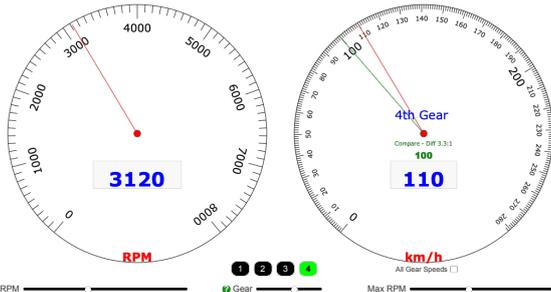


Calculator Apps: Home Improvement - Remodeling - Renovation - Construction - Craft - Templates

W → Wainscoting Layout Calculator Inch | Metric See Examples of Projects Accomplished Using this Site

- Home
- Directory
- Pulleys - RPM
- Inch
- Transmissions - RPM
- Tire Size - km/h - mph
- Motorcycle Gearing
- Sprockets RPM km/h
- Chain + Sprocket
- Calculator
- Tire Size + Compare
- Band Saw
- Calculator
- Inch

Gearing Calculator - RPM to km/h - mph with Auto Shift Tracer Enter Gear and Diff Ratios and drag RPM Slider



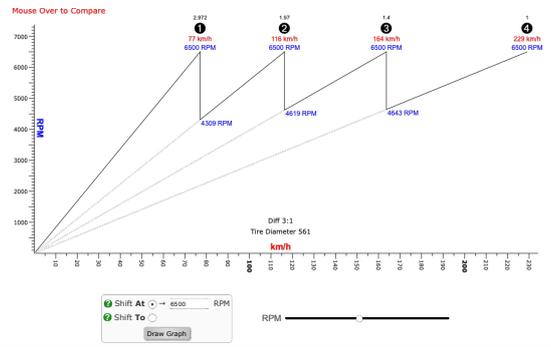
Top Clear  Final  
  RPM  
 Compare  Diff Ratio 3.0  
 Compare  Transfer  Converter Slip %

Tire Diameter  
 Compare  Diff Ratio 3.0  
 Compare  Transfer  Converter Slip %

Shift At  RPM  
 Shift To  Trace

Add Trans

1  2  3  4



km/h - Diff 3 - Tire - 561

	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000
1st	33	36	39	42	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89	92	95
2nd	49	54	58	63	67	72	76	81	85	89	94	98	103	107	112	116	121	125	130	134	139	143
3rd	69	76	82	88	94	101	107	113	120	126	132	138	145	151	157	164	170	176	183	189	195	201
4th	97	106	115	123	132	141	150	159	167	176	185	194	203	211	220	229	238	247	256	264	273	282

km/h - Diff 3.3 - Tire - 561

	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000
1st	30	32	35	38	40	43	46	49	51	54	57	59	62	65	67	70	73	75	78	81	84	86
2nd	45	49	53	57	61	65	69	73	77	81	85	89	94	98	102	106	110	114	118	122	126	130
3rd	63	69	74	80	86	92	97	103	109	114	120	126	132	137	143	149	154	160	166	172	177	183
4th	88	96	104	112	120	128	136	144	152	160	168	176	184	192	200	208	216	224	232	240	248	256

Tire     A 165/70 R13 tire has a Diameter of 561 and Circumference of 1763  See also: [Printable Full Scale Degree Wheels Dial](#) in your cam - and [Printable Timing - Degree Tape](#)

Enter Diff = Gear Ratios and Tire Diameter, then drag RPM slider to calculate speed from RPM. Drag Max RPM slider to adjust the range of the RPM and km/h gauges.

Enter Shift at RPM, select gear to shift to and hit Shift and Trace to run up through the gears recording shift point RPM and km/h.

Check Compare and enter alternate Tire Diameter or Diff Ratio to compare. Speedometer will display a second needle for the comparison.

Edit gear ratios, or enter (and save) multiple ratio sets, then click Compare Ratios to display multiple graphs and compare ratios.

[Transfer Saved Transmissions](#) [Load Transferred Transmissions](#)

All Metric Inputs in Millimetres (unless otherwise noted)



If you're cutting blocks, concrete, stone or ANYTHING and there's DUST - DON'T TAKE THE RISK Don't cut it, or cut it wet so there's NO DUST - Silicosis Sucks And if you're cutting wet, wear a mask - there's dust in the spray mist too!

How should we spell it?  
 Metre   Meters  
 Meter   Results

Built something using our calculators? Please [Send Photos!](#) [See examples](#)

If you've benefited from this free service please consider supporting [Blue Dragon Children's Foundation](#)

Please help promote this free service - [Tell a Friend about this site!](#)

Create PDF to print diagrams on this page. [Help](#) [Printing Help](#) (new window)

Copy all diagrams on this page to bottom of page - Make multiple copies to Print or Compare.

[View page on Phone via QR Code](#) (not current calculation result)

[Contact Us](#)



Calculator Apps - Construction - Home Improvement - Remodeling - Renovation - Craft - Templates - Woodwork - Metalwork

All calculators on this site are geometric only. Check relevant local regulations for appropriate sizes, spacings and all engineering requirements.

[Disclaimer](#) | [Privacy & Cookie Policy](#)

Copyright ©2021 - blocklayer.com

If you've benefited from this free service please consider helping us support:

Inch or Metric?  Metric Calculator  Inch

Please help promote this free service [Tell a Friend!](#)

Saved Calculations