WHITELINE

PRODUCT UPDATE

BL-281

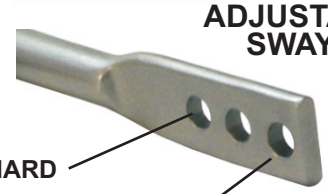
# SWAY BAR DIAMETER CONVERSION CHART

The below chart is an indicative guide only to show percentage (%) increase in torsion for bars of the same shape, design and material specifications.

| Factory mm | Whiteline mm | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 14 | 71% | 117% | 173% | 239% | 316% | 406% | 510% | 628% | 764% | 917% | | | | | |
| 15 | 29% | 65% | 107% | 157% | 216% | 284% | 363% | 453% | 555% | 672% | 803% | 950% | | | |
| 16 | | 27% | 60% | 99% | 144% | 197% | 257% | 327% | 406% | 496% | 597% | 711% | 838% | 979% | |
| 17 | | | 26% | 56% | 92% | 133% | 180% | 235% | 297% | 368% | 447% | 536% | 636% | 747% | 870% |
| 18 | | | | 24% | 52% | 85% | 123% | 167% | 216% | 272% | 335% | 406% | 486% | 574% | 672% |
| 19 | | | | | 23% | 49% | 80% | 115% | 155% | 200% | 251% | 308% | 372% | 443% | 522% |
| 20 | | | | | | 22% | 46% | 75% | 107% | 144% | 186% | 232% | 284% | 342% | 406% |
| 21 | | | | | | | 20% | 44% | 71% | 101% | 135% | 173% | 216% | 264% | 316% |
| 22 | | | | | | | | 19% | 42% | 67% | 95% | 127% | 162% | 202% | 246% |
| 23 | | | | | | | | | 19% | 40% | 63% | 90% | 120% | 153% | 189% |
| 24 | | | | | | | | | | 18% | 38% | 60% | 85% | 113% | 144% |
| 25 | | | | | | | | | | | 17% | 36% | 57% | 81% | 107% |
| 26 | | | | | | | | | | | | 16% | 35% | 55% | 77% |
| 27 | | | | | | | | | | | | | 16% | 33% | 52% |
| 28 | | | | | | | | | | | | | | 15% | 32% |

FIXED SWAY BAR

ADJUSTABLE SWAY BAR




## HOW TO USE

### FIXED SWAY BAR (NON ADJUSTABLE)

Choose original bar diameter from left column, then follow across to the right to determine % increase in stiffness required. Or, check % stiffness of a new bar size against the original. Example - Upgrading from a 16mm factory sway bar to a 20mm Whiteline sway bar equates to a 144% increase in torsion rigidity (Refer red highlight in chart)

### ADJUSTABLE SWAY BAR

Choose original bar diameter from left column, then follow across to the right to advertised Whiteline bar size and based on points of adjustment;

2 point adjustable - simply add 1mm for extra (stiffer) hole position. Example - Upgrading from an 18mm factory bar to a Whiteline 22mm 2 point adjustable sway bar results in a 123% (soft) and 167% (hard) increase in torsion rigidity. (Refer blue highlight in chart)

3 point adjustable - simply subtract 1mm for soft setting and add 1mm for hard setting. Example - Upgrading from an 20mm factory bar to a Whiteline 24mm 3 point adjustable sway bar results in a 75% (soft), 107% (standard) and 144% (hard) increase in torsion rigidity. (Refer green highlight in chart)

4 point adjustable - simply subtract 1mm for soft setting, add 1mm for intermediate setting and an additional 1mm for hard setting. Example - Upgrading from a 22mm factory bar to a Whiteline 26mm 4 point adjustable sway bar results in a 67% (soft), 95% (standard), 127% (intermediate) and 162% (hard) increase in torsion rigidity. (Refer orange highlight in chart).

Note: Data accuracy will vary when comparing tubular/ hollow factory sway bars to Whiteline's solid spring steel sway bars.

Activate more grip

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