

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%



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.