



TiALSport V50 Spring Pressure Chart

Pressure (Bar)	Pressure (PSI)	P/N	Description/ Color	O.D. (in)
0.43	6.20	002188	Small Blue	1.88
0.35	5.00	002189	Small Green	1.88
0.27	4.00	002191	Small Red	1.88
0.25	3.60	002190	Small Orange	1.88
0.20	2.80	002192	Small Yellow	1.88
0.75	10.90	001838	Large Blue	2.36
0.70	9.70	001839	Large Green	2.36
0.60	8.60	001840	Large Red	2.36
0.50	7.50	001841	Large Yellow	2.36
0.18	2.60	004868	Bonus White	1.45
0.15	2.30	004869	Bonus Black	1.08

Note: Springs of different O.D. can be combined to provide higher levels of boost. The resultant pressure is equal to the sum values of the individual springs.

Note: Boost pressure values are an approximation based on intake manifold pressure equaling exhaust manifold pressure. Variances in those values can result in the actual boost pressure differing from the rated value.

Note: Bench (static) testing will yield different values due to the lack of exhaust manifold pressure. Please refer to the Static Testing Instructions, linked here:

<https://tialsport.com/wp-content/uploads/2022/12/Wastegate-Static-Testing.pdf>