

## THROTTLE BODIES

Wilson Manifolds High Flow Throttle Bodies were developed using the latest computer modeling software and test equipment available to produce designs that yield the maximum flow per square inch of cross-sectional area. This results in maximum power for any given throttle body type and size. Four barrel style throttle bodies are designed to work with our line of billet spacers and incorporate a tapered and radiused throttle bore and precisely machined progressive linkage for smooth throttle operation. They also feature inward opening throttle blades to eliminate any part throttle directional influence by the blades that can cause poor air distribution. We have also redesigned our Dominator style throttle bodies to incorporate improved throttle linkage and to significantly reduce overall mass. All throttle bodies feature brass throttle blades to control vibration and reduce thermal expansion. Throttle blades are fastened to the throttle shaft using aircraft quality hardware that is both Loctited and peened to assure positive retention of the blades. Throttle shafts are machined to decrease their cross-sectional area, which increases the actual cross-section available for airflow. All throttle bodies are machined from billet 6061-T6 aluminum on precision CNC machining centers for consistent quality and light weight. High flow throttle bodies are available in 4500 and 4150 four-barrel styles as well as many single bore sizes in Ford style. We also now offer a throttle-by-wire version of our popular 90mm LS1/LS6 design, which allows a 90mm throttle body to be installed on a late model Corvette when using the 90mm LSX intake manifold.

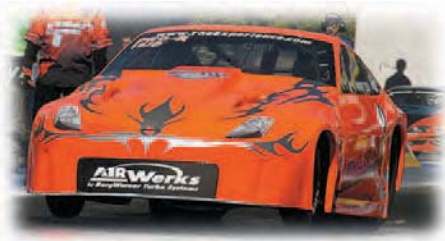


Part No.	Description
471065	65mm Throttle Body 745 CFM - 3.125" OD
471070	70mm Throttle Body 830 CFM - 3.125" OD
471075	75mm Throttle Body 915 CFM - 3.125" OD
471080	80mm Throttle Body 965 CFM - 3.500" OD
471090	90mm Throttle Body 1170 CFM - 3.750" OD
471095	95mm Throttle Body 1450 CFM - 4.250" OD
471105	105mm Throttle Body 1520 CFM - 4.250" OD
471105W	105mm Throttle Body 1520 CFM w/Wiggins Clamp Provision
472175	4150 Throttle Body 1136 CFM
473187*	4500 Throttle Body 1388 CFM
473200	4500 Throttle Body 1484 CFM
473225**	4500 Throttle Body 2008 CFM
474078	LS1/6/X 78mm Throttle Body
474090	LSX 90mm Throttle Body
470090	LSX 90mm Throttle By Wire Throttle Body

Flow data collected at 1.5" Hg pressure drop on Super-Flow 1020 Bench

\*Meets the 11 inch cross-section rule

\*\*Will fit spacers but not 4-hole or 4-hole tapers



### RELATED PRODUCTS

• Tapered Spacer • Carburetor Stud Kit • Carburetor Gasket

**TECH TIP** - Add up to 110 CFM to 4bbl throttle body by adding a tapered spacer

## THROTTLE BODY ACCESSORY COMPONENTS

Wilson Manifolds offers all of the high quality accessory components to complete your High Flow Throttle Body installation including: Throttle Position Sensors, Idle Air Control Valves and Block-off Plates, IAC Adapter Housings, Throttle Body Adapters and Elbows (See High Flow Elbows section on page 14) to allow mixing of throttle body and manifold types.

Part No.	Description
087001	LSX 90mm Throttle Body to 90mm Elbow Adapter Plate
452003	LS1/LS6 TPS
452102	LS1/LS6 IAC
481001	Adapter Housing for GM IAC on Single Bore Throttle Body
481002	IAC Block-off Plate - Fits single bore throttle bodies where IAC is not used
481003	Ford Style TPS (Throttle Position Sensor) - Used on 4 barrel style throttle bodies and all single bore except LS1, LS6, LSX. Available with GM or Ford Style connector ends.
481004	Adapter Housing for LS1, LS6 IAC on Single Bore Throttle Body
485002	GM Style IAC (Idle Air Control) - Can be used on 4 barrel style throttle bodies and on single bore with adapter housing (P/N 481001)

