

TURBOSMART
Engineered to WIN

A MESSAGE FROM OUR CEO

A WORD FROM NIC COOPER

Turbosmart is an Australian Manufacturer of high performance, motorsport proven, race ready engine components focused around turbocharger and boost control components.

I've never been prouder of Team Turbosmart as we head in to 2022, which, out of interest, will bring our 25-year anniversary (and that's not all there is to celebrate!). As I write this, we're preparing to unleash more industry leading boost and engine control technology upon the world and expand upon our established global locations in Australia (est.1997), USA (est. 2007) and UK (est. 2014), by adding a 4th to our group, in Europe. We continue to expand with the knowledge that local people servicing local markets offers us the best understanding of our customers' needs, to then translate them into world leading solutions for everyone.

The last few years have been a little crazy for everyone and we're not immune - but have managed to expand our product range as well as our manufacturing and distribution footprint. We've continued to innovate and keep our team and their families safe in uncertain times. As Turbosmart products are all manufactured in-house in our Sydney, Australia Head Office, we've been able to seamlessly support our customers throughout these challenging times and despite the challenges of distance, continued to always keep the demands and expectations of our customers our priority, making sure our solutions are in stock & well supported where & when our customers need them!

CEO & Founder

Nic Cooper



Team Turbosmart receiving the 2019 SEMA Performance Product of the Year Award. Pictured left to right: Marty Staggs, Stewart Mahony, Nic Cooper, Chris Milne

CONTENTS

| | | | |
|---|----|---|----|
| NEW PRODUCTS FOR 2022 | 3 | FUEL MANAGEMENT | 23 |
| • FPR Range | 3 | • FPR Kompact | 24 |
| • New Boost Tee | 4 | • FPR 6 & 8 | 24 |
| • Pro Port | 4 | • FPR 10 | 25 |
| • Straight Gate | 5 | • FPR 10 PRO | 25 |
| • Black Box | 5 | • FPR 12 PRO | 25 |
| THE FUTURE OF BOOST CONTROL - EWG | 6 | • Fuel Filters | 26 |
| BLOW-OFF VALVES | 7 | • Fuel Rail Adapters | 26 |
| • Kompact | 7 | BOOST CONTROL | 27 |
| • Kompact EM Series | 8 | • Manual Boost Controllers | 27 |
| • Kompact Blanking Plates | 8 | • Manual Boost Controllers Parts and Accessories | 27 |
| • Type 5 BOVs | 9 | • Electronic Boost Controllers | 28 |
| • Vee-Port Pro | 9 | • e-Boost2 | 28 |
| • Dual Port | 9 | • e-BoostHP | 28 |
| • Plumb Back | 10 | • e-Boost Street | 29 |
| • Supersonic | 10 | • Electronic Boost Controller Parts and Accessories | 29 |
| • Smart Port | 11 | • Electronic Gauges | 30 |
| • Big Bubba | 11 | • Mechanical Boost Gauges | 31 |
| • GenV Race Port | 12 | • Boost Reference Adapters | 31 |
| • Power Port | 12 | OIL MANAGEMENT | 32 |
| • Pro Port | 13 | • OPR40 Turbo Oil Pressure Regulator | 32 |
| WASTEGATES | 14 | • Turbo Oil Feed Filters | 32 |
| • Electronic Wastegates | 14 | • Turbo Drain Adapters | 32 |
| • Straight Gate | 14 | SILICONE HOSE | 33 |
| • UltraGate38 | 15 | • Straight Hose Pre Cut Length | 33 |
| • CompGate40 – Std, Motorsport, CO2 | 16 | • Straight Hose Full Length | 33 |
| • HyperGate45 Lite | 17 | • Silicone Tees | 34 |
| • HyperGate45 – Std, Motorsport, CO2 | 17 | • 90 Degree Elbows | 34 |
| • ProGate50 – Std, CO2 | 18 | • Reinforced Hump Hoses | 34 |
| • PowerGate60 – Std, CO2 | 18 | • 45 Degree Elbows | 35 |
| • GenV Sensor Caps | 19 | • 45 Degree Elbow Reducers | 35 |
| • GenV Spares and Accessories | 19 | • 90 Degree Elbow Reducers | 35 |
| • HP Wastegates | 19 | • Straight Reducers | 36 |
| INTERNAL WASTEGATES | 20 | • Vacuum Hose | 37 |
| • What is an internal Wastegate | 20 | • Reinforced Vacuum Hose | 37 |
| • High Pressure Internal Wastegate Actuator | 20 | • Quick Release Barrel Clamps | 38 |
| • GenV Twin Port Actuator | 21 | • Constant Tension Clamps | 38 |
| ANTI-LAG VALVE | 22 | • Spring Clamps | 38 |

ALL NEW FUEL PRESSURE REGULATOR RANGE



The FPR Series Release for 2022 by Turbosmart now sees an even larger range of specialised products for Performance and Motorsport applications. The Turbosmart FPR range has widely been accepted as the most precise fuel regulator available with industry leading control and response and we've taken this proven technology and created a new range of products that digs deep into the DNA of what made the previous range great and made it even better!

Fuel Pressure Regulators are part of the fuel system for internal combustion engines and its role is to regulate the fuel pressure across the injector rail. The pressure target is always moving with engine demand and even more so in boosted applications where a pressure margin above manifold pressure must be maintained for precision fuel injection. Often misunderstood, the regulator must have enough flow and bypass capacity to allow most of the available fuel back to the tank via the return port when at idle and low loads, while having the response and control to maintain fuel pressure under high loads when fuelling is critical to engine performance and reliability.

The New FPR Series by Turbosmart is a result of 20 years experience in Fuel Pressure Regulator Development and an 18 month intense review of our range, our industry peers & Motorsport needs while diving into what we can improve on with best practise and the latest technology. What we have achieved is industry leading control, response and flow across a larger lineup that now includes a Low Pressure solution for Diesel and Carburetor systems as well as larger multiport Pro EFI and Mechanical Pump Solutions. We've maximised flow & control across all fitments and we've done it leveraging our existing manufacturing systems to keep the motorsport quality and hand tested quality assurance in check at a reasonable price.

PROPORT



ProPort by turbosmart is an All New 54mm (2.13in) Blow Off Valve with a tiny footprint and massive flow. The ProPort flows 420 cfm which is enough for 3500 HP and is in a league of its own standing 30mm (1.2in) lower than PowerPort while flowing over 25% more than the Award Winning Market leading 50mm Raceport.

Features include our unique locking collar design, new unique vent profile, sensor cap option and spring options for all turbocharged and supercharged applications. The ProPort is the result of over 25 years of Blow Off Valve manufacturing experience and 12 months of internal development. The design is CFD driven & real world validated for maximum possible flow based on the demands of the Tuning & Motorsport Market. The Milspec Diaphragm operated valve is highly responsive while using our Boost-Balance system which means the more boost you feed it, the better it seals!

Available with an onboard position sensor as an option, we utilize a non-contact hall effect sensor for position of the valve which means no through-holes in the cap ensuring no chance of leaks. The data this can provide for professional & amateur teams alike is invaluable when every pass & every minute on track counts!

BOOST TEE

The All New Boost Tee by Turbosmart is a facelift on the tried and tested Boost Tee you know and love.

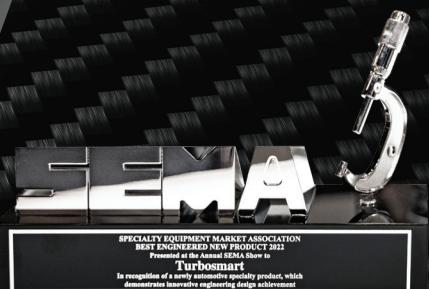
Now featuring a 33% smaller and more ergonomic design, the All New Boost Tee incorporates all the same functionality that made it a crowd favourite including our unique Gate Feature for maximum boost response, anti-tamper locking feature and simple use.

The Boost Tee is a pneumatic bleed valve which allows an increase in boost on turbocharger systems where boost-based actuators are used and is suitable for use on both internal and external wastegate systems. By manipulating the reference signal to an internal wastegate actuator or external wastegate, an increase in boost over and above the base spring pressure can be achieved. It is common to achieve 100 - 200% increases in boost over the base spring pressure.



TD NEW PRODUCTS FOR 2022

SEMA DOUBLE AWARD WINNING eSG50 ELECTRONIC STRAIGHT GATE



BEST ENGINEERED NEW PRODUCT 2021
BEST PERFORMANCE-RACING PRODUCT 2021

The StraightGate50 eSG50 from Turbosmart is a 50mm (1.97in) butterfly valve style external wastegate for turbocharged engines. The StraightGate50 provides more flow than any conventional 60mm poppet style valve while also providing more control and almost linear response for unparalleled boost control throughout the entire operating range. This is Boost Control re-imagined!

Developed off the back of Turbosmart's SEMA 2019 New Product Award Winning eWG range with full electronic actuation and control, the StraightGate50 features an in-house designed, CFD driven and real world validated butterfly valve style external wastegate which provides all the benefits of over two decades of boost control experience with the latest technology for truly advanced boost control strategies with virtually no limits. The valve body is non-directional and can be installed radially through 360 degrees on the V-Band. The actuator housing can also be located in any of the 3 clocking positions for truly versatile fitment.

BLACKBOX

BlackBox by Turbosmart is a dedicated Electronic Wastegate Controller which can be used in cooperation with a range of Factory, Aftermarket and Motorsport ECU's. The BlackBox provides protection from the current demands and translation of basic as well as more advanced boost control strategies into a gate position and can be used on single, or twin electronic wastegate systems for the ultimate in boost control.

The BlackBox is a Dual Channel, High current Capable H-Bridge Driver for use with the Turbosmart range of Electronic External Wastegates, including the StraightGate50 as well as our Electronic poppet style gates including; CompGate40, HyperGate45, ProGate50 and PowerGate60, and the e-AntiLag Valve.

BLACKBOX PART NUMBER

TS-0305-1001 BlackBox



ELECTRONIC ACTUATED EXTERNAL WASTEGATES

eWG ELECTRONIC ACTUATED EXTERNAL WASTEGATES



Boost Control Changed Forever!

A WORLD FIRST! Turbosmart's Range of Electronic Actuated External Wastegates are patent pending & built on our GenV Architecture, so not only are you getting unparalleled control like you've never had before, you also have the confidence of class leading flow capacity & heat handling characteristics!

There are no springs, no hoses and no boost reference signal, not any of the limitations associated with any of them. Gone are 'Minimum' boost levels associated with base spring related issues, or the heat related issues. If your manifold priority is good enough, you can set your boost anywhere from zero up to 'All of it' - All from your laptop or tuning interface.

The GenV eWG Range all use a common actuator & require a H-bridge output for control (Available separately), which is similar to that of an electronic throttle body. They include both a position sensor and on-board temperature sensor and are perfectly able to drive home against 80psi of drive pressure (eWG60) and even more on smaller gates (Over 120psi on eWG40 & eWG45) at 72mm per second. They're liquid cooled for endurance applications & meet the same peer / existing mounting orientation as our existing range of External Wastegates, for ease of installation.

eWG PART NUMBERS

| | |
|--------------|--|
| TS-0552-1502 | 40mm CompGate40 eWG |
| TS-0553-1502 | 45mm HyperGate45 eWG |
| TS-0554-1502 | 50mm ProGate50 eWG |
| TS-0555-1502 | 60mm PowerGate60 eWG |
| TS-0305-1001 | BlackBox Electronic Wastegate Controller |

BEST NEW PERFORMANCE RACING PRODUCT 2019



SELECTING THE RIGHT BLOW-OFF VALVE - WHAT IS THE CORRECT BOV FOR MY CAR?

Turbosmart Blow Off Valves are developed and manufactured with a focus on performance and reliability, being constructed from billet aluminum they're designed on a boost-balance system, so there's no such thing as 'too much' boost for our valves in the real world - They'll handle more than you have, no matter which one you chose. We have however created this table below as a guide as to what we would normally recommend, based on your HP goals!

| BLOW-OFF VALVE | WHEEL HP RATING | PISTON/VALVE DIAMETER |
|--------------------|-----------------|-----------------------|
| KOMPACT, INC EM | 400 | 28mm 1" |
| BOV5 INC SMARTPORT | 600 | 38.1mm 1.5" |
| BIG BUBBA | 1500 | 50.8mm 2" |
| RACEPORT | 2500 | 50.8mm 2" |
| PROPORT | 3500 | 54mm 2.1" |
| POWERPORT | 3500+ | 63.5mm 2.5" |

KOMPACT HEAVY DUTY OEM UPGRADE

The Kompact range from Turbosmart has been developed as a bullet-proof replacement for OEM diverter valves, designed with a focus on performance and reliability for standard and highly tuned vehicles alike. Offering you improved boost response, OE fitment and the reliability you expect from a motorsport proven billet valve. The Kompact range has it all at a competitive price, with the service to match. They will not leak, or let you down, no matter how hard you push them.

Each Kompact valve features a tolerance-matched piston and body, ensuring precise fit between the moving parts, eliminating the need for a body to piston O-ring seal like other designs. Avoiding this O-ring means improved responsiveness & a longer service life. Based on boost-balance design, there is no amount of boost you can feed these valves in the real world that is too much!

Available in:

Universal, Turbo Specific & Vehicle Specific Bolt-On Applications

PLUMB BACK: Fully Recirculating

DUAL PORT: 50/50 Recirculating & Vent to Atmosphere

SEE OUR WEBSITE FOR MANY MORE LISTINGS ON THE ITEMS BELOW

| PART # | DUAL PORT | PART # | PLUMB BACK | DISPLAY NAME |
|--------------|-----------|--------------|------------|---|
| TS-0203-1021 | | TS-0203-1221 | | Universal - 20mm |
| TS-0203-1022 | | TS-0203-1222 | | Universal - 25mm - Replaces all Bosch 25mm Plastic and more |
| TS-0203-1023 | | TS-0203-1223 | | Universal - 34mm - Replaces all Mitsubishi EVO 4-10 and more |
| TS-0203-1037 | | | | Subaru WRX 2015+ Forester XT 2014+ (FA20 Engine) - Smart Port BOV |
| TS-0203-1010 | | TS-0203-1210 | | Subaru WRX 2008-14/Forester XT 2008-2013/Legacy GT 2003-2008/Nissan Juke & Pulsar SSS 1.6 |
| TS-0203-1015 | | TS-0203-1215 | | Subaru - WRX 2001-2007 / WRX Sti 2001+/Forester XT 2005-2007 WRX 2008-14 |
| TS-0203-1016 | | | | Subaru WRX MY98-00/Forester MY99 |
| TS-0203-1061 | | TS-0203-1261 | | Ford Focus ST / F150 Ecoboost 2015 / Borg Warner EFR |
| TS-0203-1081 | | TS-0203-1281 | | Ford Mustang 2015+ Ecoboost |
| TS-0203-1064 | | TS-0203-1264 | | Ford Focus RS 2016 2.3L Ecoboost |
| TS-0203-1065 | | TS-0203-1265 | | Ford 1L Ecoboost |
| TS-0203-1026 | | TS-0203-1226 | | Nissan Skyline GST-T RB20/25DET R32/33/34 |
| TS-0203-1018 | | | | Honda Civic 1.5L Turbo |
| TS-0203-1009 | | TS-0203-1209 | | Mazdaspeed 3+6 / CX7 2.3L |
| TS-0203-1062 | | TS-0203-1262 | | Mercedes A45 AMG Series 1 2013-07.2015 |
| TS-0203-1036 | | | | Hyundai i30N 2018+ Veloster N 2019+ |
| TS-0203-1031 | | TS-0203-1231 | | Hyundai Veloster Turbo 2012-2018 |
| TS-0203-1008 | | | | Cadillac ATS-V LF4 2016-2019 |
| TS-0203-1017 | | | | Honda Civic Type R/RS/Si 2016+ |
| TS-0203-1025 | | | | KIA Stinger/Genesis G80 3.3L V6 |



TS-0203-1061 - Ford Focus ST / F150 Ecoboost 2015 / Borg Warner EFR



TS-0203-1025
Kia Stinger



TS-0203-1210
Subaru



TS-0203-1036
Hyundai i30N 2018+Veloster N 2019+



TS-0203-1017
Honda Civic Type R/RS/Si

KOMPACT EM SERIES (PATENTED) HEAVY DUTY OEM UPGRADE / ELECTRONIC CONTROL



The Award Winning Kompact EM Series Valve from Turbosmart builds on the rugged, bullet-proof reliability of the Kompact series of valves and adds full OEM Electronic Integration. The built in proprietary solenoid & control system means there is no need to add any extra hoses, solenoids or dismantle your factory valve - The Kompact EM is a complete replacement valve with full integration, just a few bolts & no fiddly bits.

Improvements in response and reliability are evident on even standard vehicles while our billet construction, boost-balance technology and tolerance-matched assembly ensures performance & reliability you can rely on, even in highly tuned vehicles where the factory valves are prone to letting you down.

Available in:

Universal, Turbo Specific & Vehicle Specific Bolt-On Applications

PLUMB BACK: Fully Recirculating

DUAL PORT: 50/50 Recirculating & Vent to Atmosphere

KOMPACT EM BOLT-ON APPLICATIONS - SEE OUR WEBSITE FOR DETAILED LISTINGS ON THE ITEMS BELOW

| PART # | DUAL PORT | PART # | PLUMB BACK | DISPLAY NAME |
|--------------|-----------|--------------|--------------------|---|
| TS-0223-1063 | | TS-0223-1263 | VR1 | Suits VW/Audi/Seat/Skoda 2.0L/1.8/1.4 TFSI + more |
| TS-0223-1066 | | TS-0223-1266 | VR2 | Suits Ford EcoBoost, Mercedes, AMG, Volvo + more |
| TS-0223-1086 | | TS-0223-1286 | VR3 | Suits Jeep JL 2.0L |
| TS-0223-1091 | | TS-0223-1291 | VR4 | Suits VW/Audi/Seat/Skoda 1.4 TSI Twin Charge |
| TS-0223-1087 | | TS-0223-1287 | VR7 | Chev Camaro/Cadillac ATS/CTS/CT6/Holden Commodore ZB + more |
| TS-0223-1089 | | TS-0223-1289 | VR8 | Suits Fiat 500 Abarth/595/695 (excluding North America) |
| S-0223-1092 | | TS-0223-1292 | VR9 | Suits BMW N55/N13 engines (exclude M2/X4 M40i) |
| TS-0223-1093 | | TS-0223-1293 | VR10 | Suits Mini N14/N18 engines |
| TS-0223-1094 | | TS-0223-1294 | VR11 | Suits BMW M2/X4 M40i N55 engines |
| TS-0223-1096 | | TS-0223-1296 | VR13 | Ford Ranger 2019+ EcoBoost 2.3L |
| TS-0223-1085 | | TS-0223-1285 | VR14 | Suits McLaren |
| TS-0223-1084 | | TS-0223-1284 | VR15 | Suits Fiat/Alfa Romeo/Lancia/Abarth 124/North American Abarth 500 |
| TS-0223-1077 | | TS-0223-1277 | VR17 | Suits Toyota/Lexus |
| TS-0223-1079 | | TS-0223-1279 | VR18 | Suits VW/Audi (MK-8 Golf GTI) |
| TS-0223-1078 | | TS-0223-1278 | VR22 | Ford Fiesta ST 1.6L |
| TS-0223-1075 | | TS-0223-1275 | EM Uni 25mm in/out | suit custom mounting/ECU control |

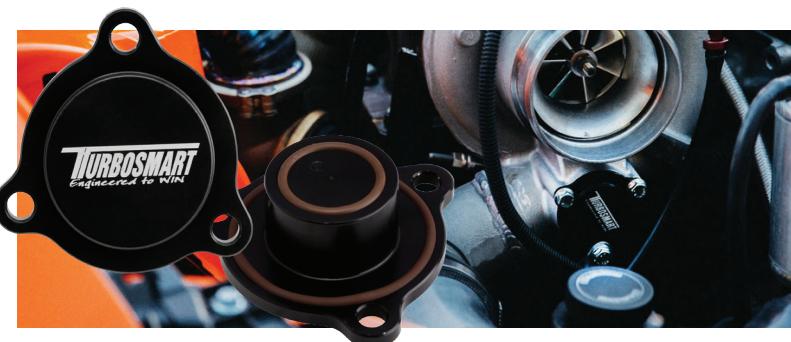


UNIVERSAL KOMPACT
EM DUAL PORT

If replacing an OE compressor cover diverter valve, with a unit such as/like our **Universal Kompact EM**, be sure to correctly blank off the original diverter valve aperture with our blanking plates.

KOMPACT BLANKING PLATES PART NUMBER

| | |
|--------------|--|
| TS-0203-2002 | Borg Warner EFR, KKK and Ecoboost Turbochargers BOV Blanking Plate |
| TS-0203-1101 | Focus RS 2016 2.3L BOV Blanking Plate |
| TS-0203-1103 | Mini R56 BOV Blanking Plate |
| TS-0203-1102 | Mustang/Fiesta BOV Blanking Plate |
| TS-0203-1106 | Ford Ecoboost 1.0L BOV Blanking Plate |



TYPE 5 BOVS & BPVS HIGH PERFORMANCE / OEM UPGRADE / CUSTOM BUILDS

The Type 5 line is Turbosmart's most popular range. The Type 5 38mm/1.5in valve has been designed for high flow and performance. Type 5 valves are well suited for both street vehicles and race machines. The Type 5 line features:

Clever modular design – all Type 5 Blow-Off Valves are simple to take apart and modify. Want to turn your vent to atmosphere Blow-Off Valve into a plumb back valve? It can be done in a matter of minutes! Trumpets can be unscrewed and swapped for blanking plugs and hose fittings, or back the other way. Likewise inlet flanges, hose fittings and V-band fittings, are all interchangeable

Precision machining and assembly – Each Type 5 Blow-Off Valve features a tolerance-matched piston and body, which ensures a precise fit between the moving parts, eliminating the need for a body to piston o-ring seal. Thus, providing excellent piston response and reliability over other designs. An o-ring seal is installed at the base of the piston, where it is most needed, to provide a positive seal against boost pressure and remove the possibility of false knock.

Type 5 Blow-Off Valves are available in three different styles:

PLUMB BACK - Full time recirculating

DUAL PORT - Half vent to atmosphere, half recirculating. The best of both worlds! Dual Ports also have blanking plug supplied to make full vent to atmosphere or full time recirculating

SUPersonic - Full vent to atmosphere

VEE-PORT PRO POWERSPORTS / HIGH PERFORMANCE / CUSTOM BUILDS

Originally designed for the Powersports market, the Vee-Port PRO is an ideal Blow-Off Valve for anyone who is short on space, or looking for a low-weight BOV solution. A full-time vent to atmosphere Blow-Off Valve, it features:

- A very compact design, perfect for tight to fit places
- A hard anodized aluminium piston for lightness
- Very high flow ability with a 38mm/1.5in piston
- Precision machining and assembly – the piston and valve body are measured to merefractions of a millimetre, and perfectly matched
- A wide range of vehicle specific applications
- Quick release V-band clamp for ease of fabrication and installation
- Perfect for custom pipework and turbo kits

See our website for many more listings on the Vee-Port PRO range

VEE-PORT PRO PART NUMBERS

| | |
|--------------|--------------------------------|
| TS-0205-1130 | Vee-Port PRO Universal - Blue |
| TS-0205-1131 | Vee-Port PRO Universal - Black |



DUAL PORT HIGH PERFORMANCE / CUSTOM BUILDS

Proof you can have the best of both worlds. The Dual Port is a 50-50 recirculating and vent to atmosphere BOV. Offers quiet operation on low boost, avoiding unwanted attention, but vents to atmosphere on high boost for that sought-after Blow-Off Valve sound.

- Quiet operation on low boost, classic Turbosmart BOV noise and full performance on high boost
- Features one plumb-back port to route to the vehicle's intake, and one vent to atmosphere trumpet
- Modular design, supplied with an additional trumpet and blanking plug to allow the valve to be easily transformed into a Supersonic, Plumb Back, or Megasonic

See our website for many more listings on the Type 5 range

PART# DUAL PORT BLACK PART# DUAL PORT BLUE DISPLAY NAME

| | | |
|---------------|--------------|--|
| TS-0205-1062 | TS-0205-1061 | Dual Port Universal 32mm |
| TS-0205-1072 | TS-0205-1071 | Dual Port Universal 38mm |
| TS-0205-1010 | TS-0205-1009 | Subaru WRX 2008-14/Forester XT 2008-2013/Legacy GT 2003-2008/Mazdaspeed 3+6 / CX7 2.3L |
| TS-0205-1016 | TS-0205-1015 | Subaru - WRX 2001-2007 / WRX Sti 2001+/Forester XT 2005-2007 WRX 2008-14 |
| TS-0205-1026* | | Nissan GTR R32/R33/R34 / GTS-T R32/R33/R34 / Stagea 1996/2007 |

*Note that GTR requires 2 kits and GTS-T requires 1 kit



Dual Port Universal



TS-0205-1015
Subaru - WRX 2001-2007 / WRX Sti 2001+/
Forester XT 2005-2007 WRX 2008-14



TS-0205-1026
Nissan GTR R32/R33/R34 / GTS-T
R32/R33/R34 / Stagea 1996/2007

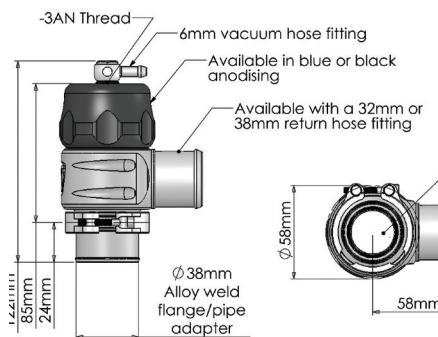
PLUMB BACK HIGH PERFORMANCE / CUSTOM BUILDS

Turbosmart's Plumb Back BOV operates quietly, just like a standard diverter valve, so it does not draw unwanted attraction. The Plumb Back offers all the performance and durability benefits of a Turbosmart BOV, but with quiet operation that keeps you under the radar.

- A full time recirculating BOV, with one plumb back port
- Quiet operation

PLUMB BACK PART NUMBERS

| | |
|--------------|------------|
| TS-0205-1261 | 32mm Blue |
| TS-0205-1262 | 32mm Black |
| TS-0205-1271 | 38mm Blue |
| TS-0205-1272 | 38mm Black |

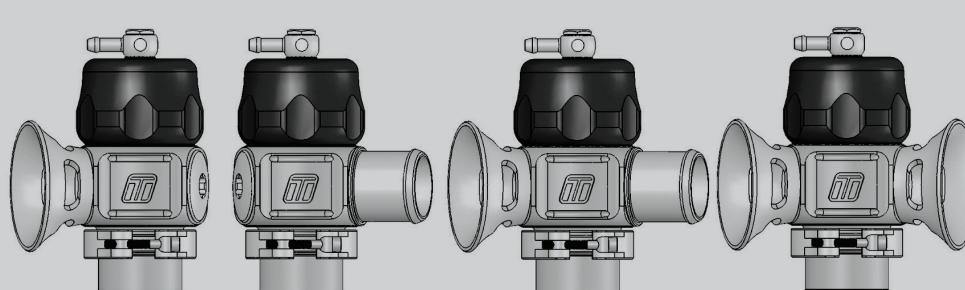
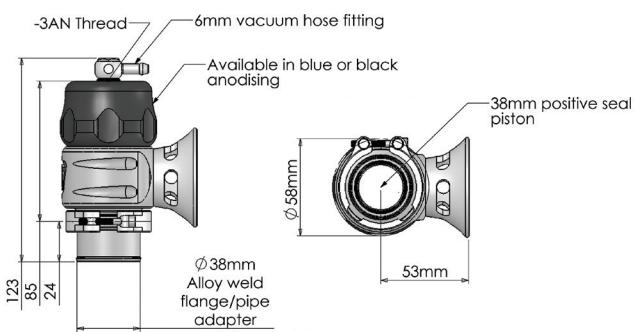


SUPersonic HIGH PERFORMANCE / CUSTOM BUILDS

The quintessential Turbosmart BOV, with that classic Blow-Off Valve noise. The Supersonic vents completely to atmosphere for big sound and big performance. The Supersonic is the BOV for the driver who wants the show along with the go. A full-time vent to atmosphere BOV, featuring a single trumpet provides the characteristic Turbosmart Blow-Off Valve noise we know and love.

SUPersonic PART NUMBERS

| | |
|--------------|-------|
| TS-0205-1300 | Blue |
| TS-0205-1301 | Black |



For Dual Port Configuration on Supersonic, Plumb Back, Dual Port and Megasonic (extra supplied trumpet is required)

SMART PORT TECHNOLOGY HIGH PERFORMANCE/ OEM UPGRADE

The Smart Port is a revolutionary Blow-Off Valve design, combining precision construction with state of the art materials to give unrivalled valve performance. The Smart Port's unique piston is made from an aerospace alloy with a military-spec coating, ensuring its weight and friction are as low as possible, resulting in quicker valve response, better sealing and superior durability.

Its benefits include:

- Drive-by-wire friendly staging technology, eliminating compressor surge at both low and high RPM while integrating smoothly with the car's factory engine mapping
- A hard-anodised, lightweight, aluminium piston providing better valve response and prolonged piston life
- New Smart Port trumpet design which allows the use of a softer spring in the body of the BOV to aid valve response to the plumb back port, while still retaining the ability to vent to atmosphere

The Smart Port is currently available on Type 5 BOVs to suit a wide range of vehicles.

MODEL SPECIFIC TYPE 5 SMART PORT BOVS & BPVS PART NUMBERS

| | |
|--------------|---|
| TS-0215-1018 | Smart Port Dual Port Subaru WRX 2015-current - Black |
| TS-0215-1022 | Smart Port Dual Port Mitsubishi Evo IV to X - Red |
| TS-0215-1023 | Smart Port Dual Port Mitsubishi Evo IV to X - Black |
| TS-0215-1027 | Smart Port Dual Port Nissan GT-R R35 Kit |
| TS-0215-1367 | Smart Port Supersonic Ford F150 2013 - 2014 Ecoboost - Black |
| TS-0215-1371 | Smart Port Supersonic Ford F150 2013+ 3.5L & 2.7L Ecoboost/Raptor - Black |



BIG BUBBA SUPERCHARGING / TURBO BYPASS / DIESEL RACING

Big Bubba is available in two different styles:

Bubba Sonic – Full time vent to atmosphere

Big Bubba – Full time recirculating

Features:

- Precision machining and assembly – the piston and valve body are measured to mere fractions of a millimetre, and perfectly matched for high boost applications
- Huge 50.8mm/2" inlet and outlet
- Hard anodised aluminium piston for light weight
- Strong V-band mounting system interchangeable with the Race Port BOV

BIG BUBBA PART NUMBERS

| | |
|--------------|--|
| TS-0204-1201 | Big Bubba Plumb Back - Blue/Silver |
| TS-0204-1202 | Big Bubba Plumb Back - Black/Silver |
| TS-0204-1203 | Big Bubba Plumb Back - Sleeper (Black/Black) |
| TS-0204-1301 | Bubba Sonic BOV - Blue/Silver |
| TS-0204-1302 | Bubba Sonic BOV - Black/Silver |
| TS-0204-1303 | Bubba Sonic BOV - Sleeper (Black/Black) |





GENV RACE PORT ULTRA HIGH PERFORMANCE AND RACE USE

Famous for being an amazingly small and light BOV for forced induction competition level engines, the Race Port has race proven results from street, strip and circuit. Featuring our unique collar design, twin 1/8" NPT pressure ports and internal flow structures, it is 50% lighter and 25% smaller than the competition, while flowing 330 CFM - making it the highest flowing BOV of its type on the market.

The Race Port is also available with a sensor cap, which can be used to log valve position. This is ideal for custom tuning applications, replacing guesswork with reliable data.

Supplied With: Vacuum fittings, profiled alloy weld flange, V-band assembly, and Blue Spring Rated -18 to -14 inHg (installed)

Features:

- Twin 1/8" NPT pressure ports for convenient positioning
- Billet 6000 series aluminium construction
- Quick release v-band collar for ease of installation and removal
- Female Flange version available to suit other manufacturers 50mm flanges
- 2.0" Inlet flows over 330 CFM
- MILSPEC hard anodized valve guide and stem
- Hi Temp Silicon Nomex diaphragm
- Collar secured cap for quick spring changes
- 4inHg to 26inHg activation range with spring kit (TS-0204-2104)
- Hall Effect, Non-Contact Valve Position Sensor option available
- Designed, manufactured and validated in-house at Turbosmart HQ

POWER PORT HIGH LEVEL DRAG RACING FOR TURBO/SUPERCHARGED APPLICATIONS

The Power Port is Turbosmart's largest and highest flowing Blow-Off Valve ever, resetting the flow benchmark set by our popular and highly regarded Race Port BOV. The Power Port's massive 2.5in inlet, unprecedented valve lift, supersized ports and carefully designed CFD flow-paths mean it has more than enough breathing room for even the most powerful turbocharged drag racing engines, preventing damaging compressor surge and throttle plate damage at the end of the quarter mile, even at the most extreme boost levels. The Power Port is designed to be as light as possible, to keep vehicle weight down.

Its cutting edge dual-chamber design means it can be held open with the use of a solenoid to aid turbo response and control during staging to give the best possible launch.

The Power Port is also available with a sensor cap, which can be used to log valve position. This is ideal for custom tuning applications, replacing guesswork with reliable data.

Supplied With: 1/4" -4AN Nipple, 1/8" NPT Blank, 1/8" NPT Nipple, Profiled Inlet Weld-On Flange (Alloy) and Collar Tool.

Features:

- Billet 6000 series aluminium construction
- Quick release v-band collar for ease of installation and removal
- 2.5" Inlet flows over 600 CFM
- MILSPEC hard anodized valve
- Twin 1/8" NPT port lower chamber for advanced control strategies
- -4 AN Upper port
- Collar secured cap for quick spring changes
- 4inHg to 20inHg activation range
- Valve position sensor option
- Pre drilled collar for lockwire provision

RACE PORT PART NUMBERS

| | |
|--------------|-------------------------------------|
| TS-0204-1131 | GenV Race Port - Blue |
| TS-0204-1132 | GenV Race Port - Black |
| TS-0204-1133 | GenV Race Port - Purple |
| TS-0204-1134 | GenV Race Port - Red |
| TS-0204-1151 | GenV Race Port Supercharger - Blue |
| TS-0204-1152 | GenV Race Port Supercharger - Black |

RACE PORT WITH SENSOR CAPS PART NUMBERS

| | |
|--------------|--------------------------------------|
| TS-0204-1232 | GenV Race Port HE Sensor Cap - Black |
| TS-0204-1231 | GenV Race Port HE Sensor Cap - Blue |

RACE PORT FEMALE FLANGE PART NUMBERS

| | |
|--------------|---|
| TS-0204-1141 | GenV Race Port Female no weld flange - Blue |
| TS-0204-1142 | GenV Race Port Female no weld flange - Black |
| TS-0204-1143 | GenV Race Port Female no weld flange - Purple |
| TS-0204-1144 | GenV Race Port Female no weld flange - Red |

POWER PORT PART NUMBERS

| | |
|--------------|------------------------------------|
| TS-0207-1001 | Power Port - Blue |
| TS-0207-1002 | Power Port - Black |
| TS-0207-3006 | Power Port Sensor Cap only - Black |
| TS-0207-3007 | Power Port Sensor Cap only - Blue |
| TS-0207-1101 | Power Port with Sensor Cap - Blue |
| TS-0207-1102 | Power Port with Sensor Cap - Black |





PROPORT HIGH LEVEL DRAG RACING FOR TURBOCHARGED / SUPERCHARGED APPLICATIONS

ProPort by turbosmart is an All New 54mm (2.13in) Blow Off Valve with a tiny footprint and massive flow. The ProPort flows 420 cfm which is enough for 3500 HP and is in a league of its own standing 30mm (1.2in) lower than PowerPort while flowing over 25% more than the Award Winning Market leading 50mm Raceport.

Features include our unique locking collar design, new unique vent profile, sensor cap option and spring options for all turbocharged and supercharged applications. The ProPort is the result of over 25 years of Blow Off Valve manufacturing experience and 12 months of internal development. The design is CFD driven & real world validated for maximum possible flow based on the demands of the Tuning & Motorsport Market. The Milspec Diaphragm operated valve is highly responsive while using our Boost-Balance system which means the more boost you feed it, the better it seals!

Available with an onboard position sensor as an option, we utilize a non-contact hall effect sensor for position of the valve which means no through-holes in the cap ensuring no chance of leaks. The data this can provide for professional & amateur teams alike is invaluable when every pass & every minute on track counts!

The Quick Release V-Band system is of the quality you have come to expect from Turbosmart, and includes 2 x 1/8NPT reference ports on an easily distinguishable Gen-V cap that can be rotated for simplifying reference hose runs in complex engine bays.

Features:

- 2 x 1/8 NPT Reference Ports
- Mil Spec Proprietary Diaphragm
- Anodised 6262 T6 Aluminium Body & Valve
- Quick Change V-Band Fitment
- Unique Locking Collar Design
- Optional Valve Position Sensor
- Direct mount to existing PowerPort weld flanges

PRO PORT PART NUMBERS

| | |
|--------------|------------------------------------|
| TS-0208-1111 | BOV Pro Port Blue |
| TS-0208-1112 | BOV Pro Port Black |
| TS-0208-1113 | BOV Pro Port Purple |
| TS-0208-1114 | BOV Pro Port Red |
| TS-0208-1212 | BOV Pro Port with Sensor Cap Black |
| TS-0208-9002 | Sensor Cap Only Upgrade Black |



Features:

- 50mm (1.97in) Butterfly Valve
- Full Electronic Control
- Liquid Actuator Cooling Provision
- Strap Type V-Band Clamps
- User Adjustable Actuator Position
- Endless Boost Control Strategies
- Onboard (0-5v) Actuator Temperature Sensor
- Onboard (0-5v) Valve Position Sensor
- 7 Wire Unterminated Flying Lead loom



AWARD WINNING eSG50 ELECTRONIC STRAIGHT GATE

The StraightGate50 eSG50 from Turbosmart is a 50mm (1.97in) butterfly valve style external wastegate for turbocharged engines. The StraightGate50 provides more flow than any conventional 60mm poppet style valve while also providing more control and almost linear response for unparalleled boost control throughout the entire operating range. This is Boost Control re-imagined!

Developed off the back of Turbosmart's SEMA 2019 New Product Award Winning eWG range with full electronic actuation and control, the StraightGate50 features an in-house designed, CFD driven and real world validated butterfly valve style external wastegate which provides all the benefits of over two decades of boost control experience with the latest technology for truly advanced boost control strategies with virtually no limits. The valve body is non-directional and can be installed radially through 360 degrees on the V-Band. The actuator housing can also be located in any of the 3 clocking positions for truly versatile fitment.

Thermally stable and tested to 1250°C / 2280°F the eSG50 is capable in the most demanding environments while providing control never before seen before via liquid cooling and the inclusion of a ceramic thermal insulating spacer between the actuator and valve body. The onboard temperature & position sensor outputs allow for advanced control strategies. This StraightGate50 50mm Valve provides the control of a smaller 40mm valve, with flow exceeding that of a traditional 60mm valve. Teamed with Electronic Actuation, all the limitations of traditional boost control are a compromise of the past. With appropriate manifold priority, these valves can provide 100% bypass for zero boost up to maximum boost and do so faster than any valve before it - Full valve actuation can be performed in 63ms and provide an unparalleled tuning window.

eSG50 PART NUMBER

TS-0565-1002 eSG50 Electronic Straight Gate

eWG ELECTRONIC ACTUATED EXTERNAL WASTEGATES

The GenV eWG Range all use a common actuator & require a H-bridge output for control (Available separately), which is similar to that of an electronic throttle body. They include both a position sensor and on-board temperature sensor and are perfectly able to drive home against 80psi of drive pressure (eWG60) and even more on smaller gates (Over 120psi on eWG40 & eWG45) at 72mm per second. They're liquid cooled for endurance applications & meet the same peer / existing mounting orientation as our existing range of External Wastegates, for ease of installation.

eWG PART NUMBERS

| | |
|--------------|----------------------|
| TS-0552-1502 | 40mm CompGate40 eWG |
| TS-0553-1502 | 45mm HyperGate45 eWG |
| TS-0554-1502 | 50mm ProGate50 eWG |
| TS-0555-1502 | 60mm PowerGate60 eWG |



GENV WASTEGATES

38mm | 40mm | 45mm | 50mm | 60mm

Our new GenV wastegates are a direct fit upgrade to all 4th-generation Turbosmart wastegates. All GenV wastegates are provided with a range of springs (3-26psi) and feature our unique collar-locking system, rotatable actuator, strap-type V-band clamps, 1/8" NPT ports, and "optional" liquid-cooling.

Also available in Motorsport, Compressed Gas (Co2), High Pressure (HP) and Electronic Actuated (eWG).

**3X IMPROVED
HEAT HANDLING**



Flow - Turbosmart's innovative engineering team has designed the GenV range to be the highest flowing on the market in ANY size. Through careful flow conditioning, flow has been optimized at every valve position without compromising control.

Thermal Performance - Building on the existing market leading thermal performance of Turbosmart external wastegates. The new GenV range handles more heat energy for three times longer during thermal gas stand testing, allowing for a greater thermal threshold currently unseen in the marketplace. The optional liquid cooling provision allows for unparalleled thermal performance in high temperature engine bays, for example Jet-skis.

Control - The GenV allows for any application of boost control. Aside from the standard units, bespoke Compressed Gas and Motorsport options are available and the entire range is compatible with our unique valve position sensor. For fine-tuning boost performance, a selection of springs are supplied with each wastegate. All wastegates feature 1/8" NPT ports for maximum response and positive sealing at high temperatures and pressures.

Adjustability - The unique variable adjustment design allows the wastegate actuator base to be oriented independently from the weld flanges. The cap is also completely independent and indexable in 12 different positions compared to the actuator base and body - so you can always get your fittings where you need them.

Upgrades and Servicing - Due to the modular construction, all components can be removed or upgraded, making the new GenV wastegate range upgradeable and completely serviceable.

ULTRAGATE38

The UltraGate38 features:

- Interchangeable with all other 2 bolt wastegates
- 38mm valve size
- High temp spring combinations from 3 – 26psi supplied in the box
- 1/8" NPT ports
- Popular 2-bolt flange fitting to suit 1-5/8" OD pipe
- Locking collar for compact size and easy spring changes
- Hall Effect, Non-Contact Position Sensor Option Available
- Refer to Turbosmart.com for Spare parts and Accessories

Supplied with:

Springs, valve seat, gaskets, 2 x 1/8" NPT hose fittings, 2 x blanking plugs, collar tool and bolts to fit wastegate.

ULTRAGATE38 PART NUMBERS

| | |
|--------------|-------------------------------------|
| TS-0551-1002 | WG38 GenV UltraGate 38 7psi Black |
| TS-0551-1011 | WG38 GenV UltraGate 38 14psi Blue |
| TS-0551-1012 | WG38 GenV UltraGate 38 14psi Black |
| TS-0551-1013 | WG38 GenV UltraGate 38 14psi Purple |
| TS-0551-1014 | WG38 GenV UltraGate 38 14psi Red |



COMPATE40

The CompGate40 features:

- Direct swap for Turbosmart Gen 4 CompGate 40, inlet is the same as other 38/40mm V-band wastegates
- 40mm valve size
- High temp spring combinations from 3 – 26psi supplied in the box
- 1/8" NPT ports
- V-band clamp mounting system to suit 1-3/4" OD pipe
- Locking collar for compact size and easy spring changes
- Available in Motorsport and Compressed Gas versions
- Hall Effect, Non-Contact Position Sensor Option Available
- Refer to Turbosmart.com for Spare parts and Accessories

Supplied with:

Springs, Inlet and outlet weld flanges, V-band clamps, valve seat, 2 x 1/8" NPT hose fittings, blanking plugs, and collar tool

COMPATE40 PART NUMBERS

| | |
|--------------|--|
| TS-0552-1002 | WG40 GenV CompGate 40 7psi Black |
| TS-0552-1011 | WG40 GenV CompGate 40 14psi Blue |
| TS-0552-1012 | WG40 GenV CompGate 40 14psi Black |
| TS-0552-1013 | WG40 GenV CompGate 40 14psi Purple |
| TS-0552-1014 | WG40 GenV CompGate 40 14psi Red |
| TS-0552-1101 | WG40M GenV CompGate 40 14psi Motorsport Blue |
| TS-0552-1102 | WG40M GenV CompGate 40 14psi Motorsport Black |
| TS-0552-1201 | WG40CG GenV CompGate 40 5psi Compressed Gas Blue |
| TS-0552-1202 | WG40CG GenV CompGate 5psi Compressed Gas Black |
| TS-0552-1502 | WG40 eWG (Electronic) CompGate40 |



HYPERGATE45 LITE

The HyperGate45 features:

- Direct swap for Turbosmart Gen 4 HyperGate45 and other 44mm V-band wastegates
- 45mm valve size
- High temp spring combinations from 3 – 26psi supplied in the box
- 1/8" NPT ports
- V-band clamp mounting system to suit 1-7/8" OD pipe
- Locking collar for compact size and easy spring changes
- Available in Motorsport and Compressed Gas versions
- Hall Effect, Non-Contact Position Sensor Option Available
- Refer to Turbosmart.com for Spare parts and Accessories

Supplied with:

Spring, Inlet and outlet weld flanges, V-band clamps, valve seat, 2 x 1/8" NPT hose fittings, blanking plugs, and collar tool

HYPERGATE45 LITE PART NUMBERS

| | |
|--------------|------------------------------|
| TS-0553-1602 | WG45 HyperGate45 Lite 7 psi |
| TS-0553-1612 | WG45 HyperGate45 Lite 14 psi |



HYPERGATE45

The HyperGate45 features:

- Direct swap for Turbosmart Gen 4 HyperGate45 and other 44mm V-band wastegates
- 45mm valve size
- High temp spring combinations from 3 – 26psi supplied in the box
- 1/8" NPT ports
- V-band clamp mounting system to suit 1-7/8" OD pipe
- Locking collar for compact size and easy spring changes
- Available in Motorsport and Compressed Gas versions
- Hall Effect, Non-Contact Position Sensor Option Available
- Refer to Turbosmart.com for Spare parts and Accessories

Supplied with:

Spring, Inlet and outlet weld flanges, V-band clamps, valve seat, 2 x 1/8" NPT hose fittings, blanking plugs, and collar tool

HYPERGATE45 PART NUMBERS

| | |
|--------------|--|
| TS-0553-1002 | WG45 GenV HyperGate 45 7psi Black |
| TS-0553-1011 | WG45 GenV HyperGate 45 14psi Blue |
| TS-0553-1012 | WG45 GenV HyperGate 45 14psi Black |
| TS-0553-1013 | WG45 GenV HyperGate 45 14psi Purple |
| TS-0553-1014 | WG45 GenV HyperGate 45 14psi Red |
| TS-0553-1101 | WG45M GenV HyperGate 45 14psi Motorsport Blue |
| TS-0553-1102 | WG45M GenV HyperGate 45 14psi Motorsport Black |
| TS-0553-1201 | WG45CG GenV HyperGate 45 5psi Compressed Gas Blue |
| TS-0553-1202 | WG45CG GenV HyperGate 45 5psi Compressed Gas Black |
| TS-0553-1502 | WG45 eWG (Electronic) HyperGate45 |



PROGATE50

The ProGate50 features:

- Direct swap for Turbosmart Gen 4 ProGate50 wastegates
- 50mm valve size
- High temp spring combinations from 3 – 26psi supplied in the box
- 1/8" NPT ports
- V-band clamp mounting system to suit 2" OD pipe
- Available in Compressed Gas version
- Hall Effect, Non-Contact Position Sensor Option Available
- Refer to Turbosmart.com for Spare parts and Accessories

Supplied with:

Springs, Inlet and outlet weld flanges, V-band clamps, valve seat, 2 x 1/8" NPT hose fittings, blanking plugs, and collar tool

PROGATE50 PART NUMBERS

| | |
|--------------|--|
| TS-0554-1002 | WG50 GenV ProGate 50 7psi Black |
| TS-0554-1011 | WG50 GenV ProGate 50 14psi Blue |
| TS-0554-1012 | WG50 GenV ProGate 50 14psi Black |
| TS-0554-1013 | WG50 GenV ProGate 50 14psi Purple |
| TS-0554-1014 | WG50 GenV ProGate 50 14psi Red |
| TS-0554-1201 | WG50CG GenV ProGate 50 5psi Compressed Gas Blue |
| TS-0554-1202 | WG50CG GenV ProGate 50 5psi Compressed Gas Black |
| TS-0554-1502 | WG50 eWG (Electronic) ProGate50 |



POWERGATE60

The PowerGate60 features:

- Direct swap for Turbosmart Gen 4 PowerGate60 wastegates.
- 60mm valve size
- High temp spring combinations from 3 – 26psi supplied in the box
- 1/8" NPT ports
- V-band clamp mounting system to suit 2-1/2" OD pipe
- Available in Compressed Gas version
- Hall Effect, Non-Contact Position Sensor Option Available
- Refer to Turbosmart.com for Spare parts and Accessories

Supplied with:

Springs, Inlet and outlet weld flanges, V-band clamps, valve seat, 2 x 1/8" NPT hose fittings, blanking plugs, and collar tool

POWERGATE60 PART NUMBERS

| | |
|--------------|--|
| TS-0555-1002 | WG60 GenV PowerGate 60 7psi Black |
| TS-0555-1011 | WG60 GenV PowerGate 60 14psi Blue |
| TS-0555-1012 | WG60 GenV PowerGate 60 14psi Black |
| TS-0555-1013 | WG60 GenV PowerGate 60 14psi Purple |
| TS-0555-1014 | WG60 GenV PowerGate 60 14psi Red |
| TS-0555-1201 | WG60CG GenV PowerGate 60 5psi Compressed Gas Blue |
| TS-0555-1202 | WG60CG GenV PowerGate 60 5psi Compressed Gas Black |
| TS-0555-1502 | WG60 eWG (Electronic) PowerGate60 |





GENV SENSOR CAPS

Wouldn't it be great to actually know what is happening inside your wastegate? Now you can! With the Turbosmart Wastegate Sensor Cap you can "see" into the wastegate, so there is no need to guess anymore. You can log the wastegate valve position and know exactly what it is doing in relation to other engine operating conditions. For example, you can see at X RPM, your valve lifts Y much, which results in Z boost pressure. No uncertainty, just hard data.

The Turbosmart Wastegate Sensor Cap:

- High temp fully sealed proprietary sensor
- Small and high resolution
- Allows the user to install a valve position sensor to their standard Turbosmart wastegate by only changing the cap
- Is compatible with a wide range of popular data loggers (Haltech, MoTec, RacePak, etc.)
- Is an off the shelf item, available for all GenV Turbosmart wastegate sizes: 38mm,

| PART# BLACK | PART# BLUE | DISPLAY NAME |
|--------------|--------------|----------------------------|
| TS-0550-3022 | TS-0550-3023 | GenV WG38/40 Sensor Cap |
| TS-0550-3024 | TS-0550-3025 | GenV WG45/50 Sensor Cap |
| TS-0550-3026 | TS-0550-3027 | GenV WG60 Sensor Cap |
| TS-0550-3062 | TS-0550-3063 | GenV WG38/40 CG Sensor Cap |
| TS-0550-3064 | TS-0550-3065 | GenV WG45/50 CG Sensor Cap |
| TS-0550-3066 | TS-0550-3067 | GenV WG60 CG Sensor Cap |

GENV SPARES & ACCESSORIES

Everything you need to help fabricate, install, upgrade and service our entire GenV range. From fabrication and maintenance tools to V-band bolt nuts, our spares and accessories to make installation and servicing easier than ever. Visit our website and go to Spares & Accessories/Wastegates & IWG spares and accessories section.



WELDING PURGE BUNGS

GENV HP WASTEGATES

The World's highest pressure, External Wastegates - Turbosmart GenV HP (High Pressure) External Wastegates now benefit from the GenV EWG architecture, now with options of up to 50psi base pressure available - Even more with external control strategy!

Available in:

- 38mm, 40mm and 45mm
- 35 psi Base Spring Pre-Loaded

Features:

- Optional Water Cooling
- Optional 50 psi spring available
- Class Leading flow & Thermal Performance

HP WASTEGATES PART NUMBERS

| | |
|--------------|----------------------------------|
| TS-0551-1312 | WG38HP UltraGate38 High Pressure |
| TS-0552-1312 | WG40HP CompGate40 High Pressure |
| TS-0553-1312 | WG45HP HyperGate45 High Pressure |



INTERNAL WASTEGATE ACTUATOR (IWG-75)

On an internally wastegated turbo, the wastegate valve is built into the turbine housing. The wastegate valve is controlled by an internal wastegate actuator. As boost rises the actuator controls the position of the wastegate valve, which in turn controls the exhaust gas flow to the turbine.

The Turbosmart wastegate actuator range has been designed as a stronger, more reliable replacement for OEM parts. Like all Turbosmart parts, billet construction means they are stronger and more durable than a stock actuator, while Turbosmart's focus on performance means boost comes on faster and holds on longer, putting you in control!

The Turbosmart IWG-75 actuator range features:

- Base spring pressure available from 3PSI to 26PSI
- Stable boost control
- Improved boost response
- Flatter boost curve in the top end
- Serviceable with spares parts and accessories
- A range of vehicle/turbo specific applications

INTERNAL WASTEGATE ACTUATOR PART NUMBERS

| | |
|--------------|---|
| TS-0681-5072 | Universal 150mm Actuator 7PSI |
| TS-0681-5102 | Universal 150mm Actuator 10PSI |
| TS-0681-5142 | Universal 150mm Actuator 14PSI |
| TS-0681-4102 | Universal M6 140mm Rod Black 10PSI |
| TS-0625-1072 | Garrett GT2860RS (Disco Potato) 7PSI |
| TS-0625-4072 | Garrett GTX28R SR20 7PSI |
| TS-0620-1142 | Borg Warner EFR B1 Single Scroll 14PSI |
| TS-0620-3142 | Borg Warner EFR B2 Single/Twin Scroll 14PSI |
| TS-0620-2142 | Borg Warner EFR B1 Twin Scroll 14PSI |

REFER TO WEBSITE FOR MODEL SPECIFIC FITMENT



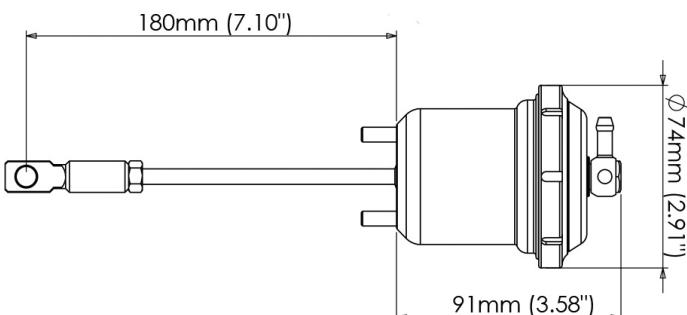
HIGH PRESSURE INTERNAL WASTEGATE ACTUATOR

Turbosmart's Internal Wastegate Actuators for those wanting to run big boost pressure, without the hassle of fitting custom exhaust manifolds and external wastegates, Turbosmart introduces the IWGHP, High Pressure Internal Wastegate Actuator. The IWGHP range provides better turbo response and greater sensitivity when managing boost than a stock actuator, with the added bonus of being capable of handling high boost pressures. Only 28mm longer than the standard IWG-75 these wastegates are ideal for high boost turbo diesel and racing applications.

Available with 35PSI springs as standard, Turbosmart also offers up to 40PSI springs, for the extra hard core

HIGH PRESSURE INTERNAL WASTEGATE ACTUATOR PART NUMBERS

| | |
|--------------|---|
| TS-0626-1354 | IWG75 HP Dodge Cummins Turbo Diesel Black 35PSI |
|--------------|---|



INTERNAL WASTEGATE ACTUATORS

GENV TWIN PORT ACTUATOR

Taking Twin Port Boost Control to the next level, the GenV IWG75 range from Turbosmart benefits from a nitronic valve guide with a proprietary swirl-system on the actuator rod which allows for improved actuation stroke & lower actuator housing seal. This all results in true twin port control of the actuator, for a wide tuning window and finite boost control in even the most demanding environments.

Features:

- More precise boost control & large tuning window
- Ideal for traction limited applications, or where torque management is critical to driveability
- Billet Construction for durability & Large working surface area for fine tuning & adjustment
- Range of Springs Options Available from 5 to 26 psi
- Optional Actuator Position Sensor (Hall Effect)
- Improved response means boost comes on faster and holds longer, with less drop off at high RPM
- Interchangeable springs for a huge range of boost levels



TWIN PORT ACTUATOR PART NUMBERS

| | |
|--------------|--|
| TS-0620-4012 | GenV IWG (TP) BorgWarner EFR 14psi |
| TS-0620-4014 | GenV IWG (TP) Borg Warner EFR 14psi inc Sensor Cap |
| TS-0625-3143 | GenV IWG (TP) Garrett G25 14psi |



ANTI-LAG VALVE

The all-new addition to the Turbosmart line-up is the fresh air ALV40 (Anti-Lag Valve) for motorsport applications. Featuring a 40mm valve diameter and a purpose designed actuator housing. Multiple fittings are also supplied for ease of fitment and fabrication.

The fresh air valve allows for incoming charged fresh air from the turbo to be diverted safely into the exhaust manifold pre-turbine wheel with the throttle at low opening angles to allow for safer spooling of the turbocharger without the potentially damaging throttle based late combustion event style anti-lag that can induce high engine stresses and break connecting rods.

The ALV is a sealed twin chamber design with the top port being the primary control port, the spring is designed to open under vacuum conditions to allow for the air to bypass into the exhaust manifold, the lower chamber for twin port control methods, to control the valve irrespective of manifold pressure and shaft seal allows for leak proof operation.

Included in Box:

- Turbosmart GenV ALV
- Valve Seat
- Inlet V-band Clamp
- Inlet Hose Adapter 1-1/2" OD
- Outlet V-Band Clamp
- Inlet Weld Flange 1-1/2" OD
- Collar Tool
- Fitting Kit
- Inlet O-ring

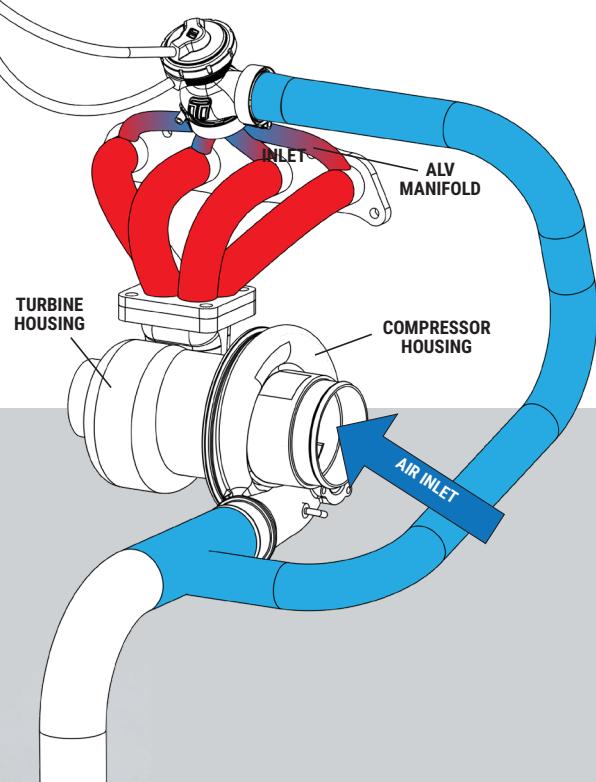
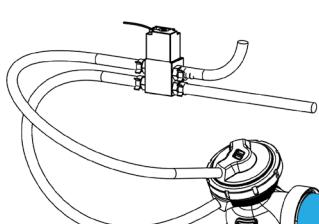
Due to the variety of engine configurations the Anti-Lag Valve can be fitted to, an outlet flange is required to be selected & purchased separately. Options available from 1 / single outlet up to 6 are available (table below). Plumbing and mounting can vary based on experience, however as an example you may consider one outlet per cylinder, or per 'scroll' of your turbocharger. Contact Turbosmart support if you're unsure, or require any further information.

ANTI-LAG VALVE PART NUMBERS

| | |
|--------------|---------------------------------------|
| TS-0552-1402 | GenV ALV40 - Black |
| TS-0552-1301 | GenV eALV40 Electronic Anti Lag Valve |
| TS-0550-3114 | ALV 6-1 Weld Flange (6 Outlets) |
| TS-0550-3104 | ALV 5-1 Weld Flange (5 outlet)* |
| TS-0550-3098 | ALV 4-1 Weld flange (4 outlet)* |
| TS-0550-3099 | ALV 3-1 Weld flange (3 outlet)* |
| TS-0550-3100 | ALV 2-1 Weld flange (2 outlet)* |
| TS-0550-3101 | ALV 1-1 Weld Flange (1 outlet)* |
| TS-0550-3102 | 1-3/4" OD inlet pipe adapter |



INLET 



TS-0550-3098



THE NEW LOOK FPR SERIES BY TURBOSMART

The FPR Series Release for 2022 by Turbosmart now sees an even larger range of specialised products for Performance and Motorsport applications. The Turbosmart FPR range has widely been accepted as the most precise fuel regulator available with industry leading control and response and we've taken this proven technology and created a new range of products that digs deep into the DNA of what made the previous range great and made it even better!

Fuel Pressure Regulators are part of the fuel system for internal combustion engines and its role is to regulate the fuel pressure across the injector rail. The pressure target is always moving with engine demand and even more so in boosted applications where a pressure margin above manifold pressure must be maintained for precision fuel injection. Often misunderstood, the regulator must have enough flow and bypass capacity to allow most of the available fuel back to the tank via the return port when at idle and low loads, while having the response and control to maintain fuel pressure under high loads when fuelling is critical to engine performance and reliability.

The New FPR Series by Turbosmart is a result of 20 years experience in Fuel Pressure Regulator Development and an 18 month intense review of our range, our industry peers & Motorsport needs while diving into what we can improve on with best practise and the latest technology. What we have achieved is industry leading control, response and flow across a larger lineup that now includes a Low Pressure solution for Diesel and Carburetor systems as well as larger multiport Pro EFI and Mechanical Pump Solutions. We've maximised flow & control across all fitments and we've done it leveraging our existing manufacturing systems to keep the motorsport quality and hand tested quality assurance in check at a reasonable price.

The New for 2022 FPR series is available from 6AN to 12AN, including,

- The New for 2022 FPR series is available from 6AN to 12AN, including,
- FPR Kompact Bolt on & OE Upgrade for 35psi to 80psi
- FPR (EFI) Standard for 35psi to 80psi.
- FPR Pro (EFI) for 50psi to 130psi.
- FPR Pro M (Mechanical Pump) for 50psi to 100psi.
- FPR LP (Low Pressure) for 3psi to 20psi.

Features:

- Stainless Steel Valve Seat
- Suitable for all fuel types
- 1:1 Class Leading Ratio & Response
- Adjustable Pressure
- 1/8 NPT Pressure Sensor Port
- Unique Locking Collar Design
- Milspec Diaphragm
- Detailed Specific Fuel Flow Data & Spec

FPR KOMPACT SERIES

Available in Bosch Replacement, Universal (1/8NPT) & Low Pressure - Suits 800HP Systems

An All Black Fuel Regulator Upgrade Series for OE and Mild Upgrades to around 800HP. The FPR Kompact Series includes Universal (1/8NPT) Fuel Fittings as well as Bolt-ON direct replacement for Bosch in-rail style regulators as fitted to the VAG (Volkswagen Audi Group) of vehicles and the Ford 'Barra' Engine as found in the Australian Delivered Ford XR6 turbo. Providing class leading fuel control and response with a small footprint.

FPR KOMPACT SERIES PART NUMBERS

| | |
|--------------|------------------------------------|
| TS-0404-1005 | FPR Kompact Bosch / Barra Sleeper |
| TS-0404-1015 | FPR Kompact Uni 1/8 NPT Sleeper |
| TS-0404-1115 | FPR Kompact LP Uni 1/8 NPT Sleeper |



FPR 6 SERIES- SUITS 6AN FUEL SYSTEMS

Available in Standard and Low Pressure - Suits 1200HP Systems

The Turbosmart FPR6 Series provides marketing leading fuel control and response via true 1:1 ratio and superior flow and bypass capacity for vehicles with -6 / 6AN fuel systems. Utilising our Stainless Steel Valve Seat & Milspec Diaphragm the FPR6 Series is suitable for all Fuel types including Race Fuel and aggressive leaded fuels. Our FPR6 Range includes 6AN inlet and outlet and return fittings and is Available in Standard (35psi to 80psi) as well as LP (3psi to 20psi) for Low Pressure and Carburettor Systems.

FPR6 SERIES PART NUMBERS

| | |
|--------------|--|
| TS-0404-1022 | FPR6 -6AN Fuel Pressure Regulator (Black) |
| TS-0404-1021 | FPR6 -6AN Fuel Pressure Regulator (Blue) |
| TS-0404-1023 | FPR6 -6AN Fuel Pressure Regulator (Purple) |
| TS-0404-1024 | FPR6 -6AN Fuel Pressure Regulator (Red) |
| TS-0404-1122 | FPR6 -6AN LP Fuel Pressure Regulator (Black) |



FPR 8 SERIES - SUITS 8AN FUEL SYSTEMS

Available in Standard and Low Pressure - Suits 2000HP Systems

The Turbosmart FPR8 Series provides marketing leading fuel control and response via true 1:1 ratio and superior flow and bypass capacity for vehicles with -8 / 8AN fuel systems. Utilising our Stainless Steel Valve Seat & Milspec Diaphragm the FPR8 Series is suitable for all Fuel types including Race Fuel and aggressive leaded fuels. Our FPR8 Range includes 8AN inlet and outlet and return fittings and is Available in Standard (35psi to 80psi) as well as LP (3psi to 20psi) for Low Pressure and Carburettor Systems.

FPR 8 SERIES PART NUMBERS

| | |
|--------------|--|
| TS-0404-1032 | FPR8 -8AN Fuel Pressure Regulator (Black) |
| TS-0404-1031 | FPR8 -8AN Fuel Pressure Regulator (Blue) |
| TS-0404-1033 | FPR8 -8AN Fuel Pressure Regulator (Purple) |
| TS-0404-1034 | FPR8 -8AN Fuel Pressure Regulator (Red) |
| TS-0404-1132 | FPR8 -8AN LP Fuel Pressure Regulator (Black) |



FPR 10 SERIES - SUITS 10AN FUEL SYSTEMS

Available in Standard, Low Pressure - Suits 3000HP Systems

The Turbosmart FPR10 Series provides market leading fuel control and response via true 1:1 ratio and superior flow and bypass capacity for vehicles with -10 / 10AN fuel systems. Utilising our Stainless Steel Valve Seat & Milspec Diaphragm the FPR10 Series is suitable for all Fuel types including Race Fuel and aggressive leaded fuels. Our FPR10 Range includes 10AN inlet and outlet and return fittings and is Available in Standard (35psi to 80psi) as well as LP (3psi to 20psi) for Low Pressure and Carburettor Systems as well as Pro EFI (50psi to 130psi) and Pro M (50psi to 100psi) for Mechanical Pump Systems.

FPR 10 SERIES PART NUMBERS

| | |
|--------------|--|
| TS-0404-1042 | FPR10 -10AN Fuel Pressure Regulator (Black) |
| TS-0404-1041 | FPR10 -10AN Fuel Pressure Regulator (Blue) |
| TS-0404-1043 | FPR10 -10AN Fuel Pressure Regulator (Purple) |
| TS-0404-1044 | FPR10 -10AN Fuel Pressure Regulator (Red) |
| TS-0404-1142 | FPR10 -10AN LP Fuel Pressure Regulator (Black) |



INTRODUCING THE TURBSOMART FPR PRO SERIES FOR MULTIPORT EFI AND MECHANICAL PUMP SYSTEMS

FPR 10 PRO SERIES (EFI AND MECHANICAL)

Available in Pro (EFI) and Pro M (Mechanical Pump) - Suits Up to 3000HP Systems

The Turbosmart FPR Pro 10 Series provides market leading fuel control and response via true 1:1 ratio and superior flow and bypass capacity for vehicles with -10 / 10AN fuel feed and -8 / 8AN return fittings. Utilising our Stainless Steel Valve Seat & Milspec Diaphragm the FPR10 Pro Series is suitable for all Fuel types including Race Fuel and aggressive leaded fuels. Our FPR10 Pro Range includes 1 x 10AN inlet, 4 x 8AN outlet ports and a 8AN return and is available in Pro EFI (50psi to 130psi) and Pro M (50psi to 100psi) for Mechanical Pump Systems.

FPR 10 PRO SERIES PART NUMBERS

| | |
|--------------|--|
| TS-0404-1242 | FPR10 Pro 5 Port EFI (Black) |
| TS-0404-1342 | FPR10 Pro M 5 Port Mechanical Pump (Black) |



FPR 12 PRO SERIES (EFI AND MECHANICAL)

Available in Pro (EFI) and Pro M (Mechanical Pump) - Suits Over 3000HP Systems

The Turbosmart FPR Pro 12 Series provides market leading fuel control and response via true 1:1 ratio and superior flow and bypass capacity for vehicles with -12 / 12AN fuel feed and -10 / 10AN return fittings. Utilising our Stainless Steel Valve Seat & Milspec Diaphragm the FPR12 Pro Series is suitable for all Fuel types including Race Fuel and aggressive leaded fuels. Our FPR12 Pro Range includes 1 x 12AN inlet, 4 x 10AN outlet ports and a 10AN return and is available in Pro EFI (50psi to 130psi) and Pro M (50psi to 100psi) for Mechanical Pump Systems.

Features:

- Stainless Steel Valve Seat
- Suitable for all fuel types
- 1:1 Class Leading Ratio & Response
- Adjustable Pressure
- 1/8 NPT Pressure Sensor Port
- Unique Locking Collar Design
- Milspec Diaphragm
- Detailed Specific Fuel Flow Data & Spec

FPR 12 PRO SERIES PART NUMBERS

| | |
|--------------|--|
| TS-0404-1252 | FPR12 Pro 5 Port EFI (Black) |
| TS-0404-1352 | FPR12 Pro M 5 Port Mechanical Pump (Black) |



FUEL FILTERS

The new range of billet fuel filters provides the perfect accompaniment to Turbosmart's Fuel Pressure Regulators. They are available in three sizes to suit different fuel systems and FPRs, with -6AN, -8AN and -10AN fitting sizes.

A 10 micron stainless steel filter element ensures the engine receives clean fuel, free of the finest particles, while the filter element itself is replaceable and available separately, meaning minimal cost come service time.

FUEL FILTER PART NUMBERS

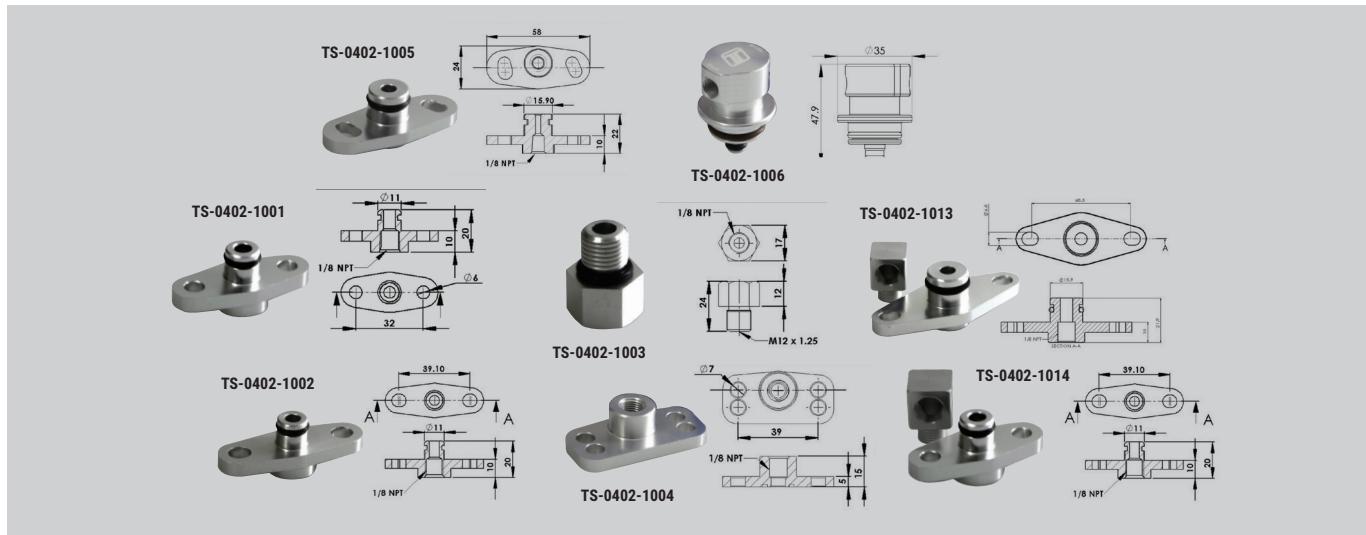
| | |
|--------------|---|
| TS-0402-1130 | Fuel Filter 10um AN-6 |
| TS-0402-1131 | Fuel Filter 10um AN-8 |
| TS-0402-1132 | Fuel Filter 10um AN-10 |
| TS-0402-1140 | Fuel Filter Bracket |
| TS-0402-3001 | Billet Fuel Filter Element Replacement 10um |



FUEL RAIL ADAPTERS

Turbosmart fuel rail adapters allow for fitment of a Turbosmart fuel pressure regulator to the following OEM fuel rails:

| PART NUMBER | MAKE | ENGINE | MODEL |
|--------------|------------|------------|--|
| TS-0402-1001 | Nissan | CA18DET | PS13 Silvia, RPS13 180SX |
| TS-0402-1001 | Subaru | EJ205 | GC8/GF8 WRX, Liberty/Outback up to MY00 |
| TS-0402-1001 | Subaru | EJ207 | GC8/GF8 WRX STi |
| TS-0402-1001 | Subaru | EJ255 | GRB WRX (2008 - 2014), Forester (2008 - 2014), Liberty (2005 - 2014) |
| TS-0402-1002 | Subaru | EJ205 | GDA WRX (2001 - 2008) |
| TS-0402-1002 | Toyota | 2JZ-GTE | Supra JZ80, Aristo JZ147 |
| TS-0402-1002 | Toyota | 4AGE | Corolla |
| TS-0402-1002 | Toyota | 4AGZE | Corolla |
| TS-0402-1002 | Toyota | 4EFT | Starlet EP |
| TS-0402-1003 | Toyota | 1JZ-GTE | Supra, Cresta, Chaser, Mark II, Soarer |
| TS-0402-1003 | Toyota | 1UZ-FE | Soarer |
| TS-0402-1003 | Toyota | 3S-GTE | MR2, Celica GT4 |
| TS-0402-1004 | Honda | B16A/B16B | EG6 Civic, EK4 Civic, CRX Del Sol, EK9 Civic Type R |
| TS-0402-1005 | Mitsubishi | 4G63 | Lancer Evolution 4-10, FTO |
| TS-0402-1006 | Audi | 1.8T 20v | A3, A4, A6, S3, TT |
| TS-0402-1006 | Ford | 4.0L Barra | XR6 BA, BF, FG Turbo, Territory |
| TS-0402-1006 | VW | 1.8T 20v | Beetle (1998-2011) |
| TS-0402-1013 | Subaru | EJ257 | Subaru WRX STi 08 - onwards (includes 90 Degree Fitting) |
| TS-0402-1014 | Mitsubishi | 4B11T | Lancer Evolution 10 |



BOOST TEE

The All New Boost Tee by Turbosmart is a facelift on the tried and tested Boost Tee you know and love. Now featuring a 33% smaller and more ergonomic design, the All New Boost Tee incorporates all the same functionality that made it a crowd favourite including our unique Gate Feature for maximum boost response, anti-tamper locking feature and simple use.

The Boost Tee is a pneumatic bleed valve which allows an increase in boost on turbocharger systems where boost-based actuators are used and is suitable for use on both internal and external wastegate systems. By manipulating the reference signal to an internal wastegate actuator or external wastegate, an increase in boost over and above the base spring pressure can be achieved. It is common to achieve 100 - 200% increases in boost over the base spring pressure.

Turbosmart manual boost controllers offer:

- Proven Detent System for simple & defined control
- Unique Gate Feature for Maximum Boost Response
- Elegant, Small & Light Design
- Design Patent (Pending)
- Superior quality
- A small, elegant design
- An easy to use detent adjustment system
- Robust engineering with the one piece body and solid needle valve
- Our exclusive gate feature which brings boost on earlier
- Easy mounting with the supplied bracket

Turbosmart manual boost controllers are perfect for when you need:

- A simple, cost effective solution to boost control
- A reliable mechanical system for harsh or demanding environments



NEW BOOST TEE PART NUMBERS

| | |
|--------------|---|
| TS-0101-1101 | All New Boost Tee Manual Boost Controller Blue |
| TS-0101-1102 | All New Boost Tee Manual Boost Controller Black |



DUAL STAGE BOOST CONTROLLER

Turbosmart has released a new and updated version dual stage boost controller.

It features a billet aluminium housing and bullet valve technology for ultra-fast boost response with two adjustable boost levels. Toggle between high and low boost on the fly. Both high and low boost settings are fully adjustable.

All Turbosmart Gated Boost Controllers feature our exclusive Gate feature which minimizes wastegate creep and can improve turbo response by up to 800 rpm earlier in the rev range – this means that you can increase the performance and response from your engine without even raising the maximum boost level.

Stable increases in boost over wastegate spring pressure of 200%+ for internal wastegate and 100% for external wastegates are common practice using our manual boost controllers.

Manufactured from high-grade billet aluminum and are renowned for their easy installation, robust design, stability and our detent adjustment system allows for accurate and simple tuning of boost pressure.

The Turbosmart Gated Boost Control Valve range is ideal for mildly modified turbocharged engines and perfect for increasing boost levels on factory turbo cars and turbocharged engines.

Supplied With:

All fitting hardware and a Rocket Launcher Switch.

DUAL STAGE BOOST CONTROLLER PART NUMBERS

| | |
|--------------|--|
| TS-0105-1101 | Dual Stage Boost Controller V2 - Blue |
| TS-0105-1102 | Dual Stage Boost Controller V2 - Black |



e-BOOST2

e-Boost2 is the ultimate boost controller, designed with high performance and racing in mind, it is perfect for the tough conditions of track use, and absolutely untouchable in a street application. e-Boost2 is available in two different sizes (60mm and 66mm) and a wide range of colours to suit any interior.

With an e-Boost2 you can:

- Control six levels of boost, with a maximum boost of 60PSI
- Enjoy faster boost response, thanks to Turbosmart's unique Gate Pressure function, and longer boost duration at high RPM via RPM correction factor
- Use Boost on Demand for instant overtaking power
- Set a different boost level for each gear, or if you prefer, program boost against time or RPM
- Control water spray, methanol, nitrous injection, or just about anything else with e-Boost2's handy auxiliary outputs
- Monitor your boost and RPM with Peak Hold/Max Boost recall
- Protect your motor with Overboost Shutdown safety feature

e-BOOST2 PART NUMBERS

| | |
|--------------|--|
| TS-0301-1001 | e-Boost2 60PSI 60mm White face/Silver bezel |
| TS-0301-1014 | e-Boost2 60PSI 60mm White face/Black bezel |
| TS-0301-1002 | e-Boost2 60PSI 60mm Black face/Silver bezel |
| TS-0301-1003 | e-Boost2 60PSI 60mm Sleeper |
| TS-0301-1103 | e-Boost2 60PSI 60mm Sleeper - 4 Port |
| TS-0301-1004 | e-Boost2 60PSI 66mm Silver face/Silver bezel |
| TS-0301-1005 | e-Boost2 60PSI 66mm White face/Black bezel |
| TS-0301-1013 | e-Boost2 60PSI 66mm Black face/Silver bezel |
| TS-0301-1011 | e-Boost2 60PSI 66mm Black face/Black bezel |



e-BOOSTTHP

Turbosmart's e-BoostHP is a self-contained electronic boost controller capable of handling up to 120 PSI of boost. It can also control water spray, methanol or nitrous injection, manage shift/warning lights and read/monitor RPM.

e-BOOSTHP PART NUMBERS

| | |
|--------------|---|
| TS-0301-1120 | e-BoostHP 120 PSI 60mm Sleeper |
| TS-0301-1121 | e-BoostHP 120 PSI 60mm Sleeper - 4 Port |



e-BOOST STREET

The e-Boost Street is one of the most popular electronic boost controllers on the market. It is easy to use, looks great, and is fantastic at controlling boost! The ideal boost controller for your street car, it features:

40psi/2.75 BAR max boost operating pressure
 Two boost settings – easily selected via the “turn-and-push” button. An external switch can also be used to change between boost groups
 Boost correction factor eliminates a problem many street cars with standard turbo systems suffer from – boost drop off at high RPM
 Auxiliary output - switch an auxiliary device on or off based on boost and RPM
 Flash warning for over boost shutdown or rev limit
 Easy mounting within a 1/4 DIN size opening
 Display mode: Live display of boost or RPM

e-BOOST STREET PART NUMBERS

TS-0302-1002 e-Boost Street 40psi



ELECTRONIC BOOST CONTROLLER PARTS AND ACCESSORIES

| PART NUMBER | DESCRIPTION |
|--------------|--------------------------------|
| TS-0301-2001 | eB2 60mm Dash Mounting System |
| TS-0301-2002 | eB2 60mm Roll Cage Mount |
| TS-0301-2003 | eB2 4 Port Solenoid |
| TS-0301-2006 | eB2 60mm Dual Shift Silver |
| TS-0301-2007 | eB2 60mm Dual Shift Black |
| TS-0301-2008 | eB2 LED- Red |
| TS-0301-2009 | eB2 LED- Green |
| TS-0301-2010 | eB2 LED- Blue |
| TS-0301-2011 | eB2 LED- Orange |
| TS-0301-2012 | eB2 Microswitch |
| TS-0301-2013 | eB2 66mm Dash Mounting System |
| TS-0301-2014 | eB2 66mm Roll Cage Mount |
| TS-0301-2017 | eB2 66mm Dual Shift Silver |
| TS-0301-2018 | eB2 66mm Dual Shift Black |
| TS-0301-2020 | eB2 High Pressure Hose Fitting |
| TS-0301-3002 | eB2 Re-loom System |
| TS-0301-3003 | eB2 and eBS Solenoid System |
| TS-0301-3005 | eB2 60mm Replacement Head Unit |
| TS-0301-3006 | eB2 66mm Replacement Head Unit |
| TS-0302-2001 | eBS Mounting Bracket |
| TS-0302-3002 | eBS40 Re-Loom System |
| TS-0302-3005 | eBS Head Unit Replacement |



EB2 DASHMOUNT SYSTEM



ROLL CAGE MOUNT SYSTEM

GAUGES - BOOST, EGT, TRANS TEMP

Turbosmart's new, expanded range of gauges provide access to important information in a stylish, easy-to-read format that looks good in any interior.

With bright backlit illumination and timeless white on black colour scheme with a silver bezel, Turbosmart's interior gauges are available in a variety of applications, both mechanical and electronic.

ELECTRONIC GAUGES

Our new range of electronic stepper motor-controlled gauges for turbo diesel vehicles includes Exhaust Gas Temperature (EGT), transmission temperature and electronic boost gauges. These gauges are a complete standalone solution, with everything you need to obtain this information from your vehicle - including thermocouples for EGT and transmission temperature gauges, and electronic boost gauges.

ELECTRICAL GAUGES PART NUMBERS

| | |
|--------------|-------------------------------------|
| TS-0701-1011 | 30PSI Boost Only gauge |
| TS-0701-1012 | 60PSI Boost Only gauge |
| TS-0701-1013 | 4 Bar Boost Only gauge |
| TS-0701-3011 | Transmission Temp - Fahrenheit |
| TS-0701-2011 | EGT (Exhaust Gas Temp) - Fahrenheit |
| TS-0701-2012 | EGT (Exhaust Gas Temp) - Celcius |
| TS-0740-1002 | L Bracket 3 gauge mount |



TS-0701-1013



TS-0701-1012



MECHANICAL BOOST GAUGES

A Turbosmart mechanical boost pressure gauge is the perfect accompaniment to a Turbosmart manual boost controller. Available in both PSI and bar, Turbosmart's mechanical boost gauges are a simple and reliable way to monitor boost pressure.

MECHANICAL GAUGE PART NUMBERS

| | |
|--------------|-------------------------------|
| TS-0101-2023 | Boost gauge 0-30PSI 52mm |
| TS-0101-2025 | Boost gauge 0-2 Bar 52mm |
| TS-0101-2024 | Boost gauge mounting cup 52mm |



TS-0101-2025



TS-0101-2023



TS-0101-2024

BOOST REFERENCE ADAPTERS

Many popular modern turbocharged vehicles are incompatible with traditional vacuum-operated accessories, due to the lack of an accessible vacuum source to tap into. Turbosmart's BRA kit gives the vehicle a boost reference source, and is a must for anyone planning to add a Blow-Off Valve, mechanical boost gauge or other vacuum-operated accessories to such a vehicle.

Turbosmart's Boost Reference Adapter kits include everything you need to reliably obtain a boost reference from a wide range of vehicles. For vehicle specific applications, please refer to fitment guide.

BOOST REFERENCE ADAPTER PART NUMBERS

| | |
|--------------|---|
| TS-0720-1001 | Ford Ranger/Mazda BT50 Diesel 2.2/L3.2L |
| TS-0720-1002 | VW Golf GTI MK5/6 |
| TS-0720-1003 | Ford Fiesta Ecoboost 1.6L 2015-current/Ford Ranger Ecoboost |
| TS-0720-1004 | Ford Mustang Ecoboost 2015-current/ Ford F150 2.7 Ecoboost |
| TS-0720-1005 | Ford F150 2013-2016 Ecoboost |
| TS-0720-1006 | Mini Cooper/S R56/ Renault Clio RS |
| TS-0720-1007 | Mercedes Benz AMG A45 2013-07.2016 |
| TS-0720-1008 | Nissan TD42T/ZD30DDTi Engine |
| TS-0720-1010 | VW Golf GTI/R MK7 |



TS-0720-1001



TS-0720-1002



TS-0720-1003



TS-0720-1006



TS-0720-1008



TS-0720-1010



TS-0720-1004

TURBO OIL PRESSURE REGULATOR (OPR40) PATENTED

Turbosmart's new patented OPR40 is an oil pressure regulation system for your turbocharger.

The oil pressure regulator ensures the oil pressure going to the turbocharger never exceeds the maximum pressure turbocharger manufacturers specify for oil supply, regardless of engine oil pressure.

The result is an oil delivery system that is more reliable and easier to setup than a standard restrictor system, especially when combined with Turbosmart's new range of turbo oil fittings and filters.

TURBO OIL PRESSURE REGULATOR PART NUMBERS

| | |
|--------------|-------------------------|
| TS-0801-1001 | OPR40 T40 40psi - Blue |
| TS-0801-1002 | OPR40 T40 40psi - Black |
| TS-0802-1001 | OPR40 -4AN Fitting Kit |



TURBO OIL FEED FILTERS AND DRAIN ADAPTERS

Turbosmart's turbo oil feed filters make sure your turbo is always fed with clean oil. With small oil galleries, it's highly important for the turbocharger to avoid any debris that may become dislodged from the engine, and a 44 micron filter element ensures even the smallest particles are kept away from the turbo. The perfect combination with Turbosmart's new Turbo Oil Pressure Regulator, the oil feed filters are available two fitting sizes, -3AN and -4AN. Turbosmart's hard anodized billet turbo oil drain flange adapters offer a reliable plug-and-play solution to fit the turbocharger's oil drain to a -8AN or -10AN fitting.

TURBO OIL FEED FILTERS PART NUMBERS

| | |
|--------------|--|
| TS-0804-1001 | Billet Turbo Oil Feed Filter 44um AN-3 - Black |
| TS-0804-1002 | Billet Turbo Oil Feed Filter 44um AN-4 - Black |
| TS-0804-1003 | Billet Turbo Oil Feed Filter 44um AN-4 to AN-4 ORB - Black |



BILLET TURBO DRAIN ADAPTERS PART NUMBERS

| | |
|--------------|---|
| TS-0804-1010 | Billet Turbo Drain Adapter 38-44mm slotted UNL small frame (-8AN) |
| TS-0804-1011 | Billet Turbo Drain Adapter 50.8mm T3/T4 Frame (-10 AN) |
| TS-0804-1012 | Billet Turbo Drain Adapter 52.4mm Large Frame (-10 AN) |
| TS-0804-1020 | Billet Turbo Drain 70mm Extension -8 MALE to -8 PORT |
| TS-0804-1021 | Billet Turbo Drain 70mm Extension -10 MALE to -10 PORT |

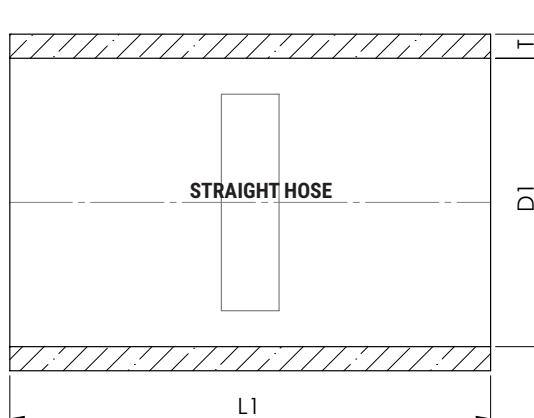



STRAIGHT HOSE

WHY UPGRADE TO SILICONE?

Turbosmart silicone hoses are:

- Manufactured from a high-grade silicone
- Stronger, tougher and more flexible than rubber hoses
- Temperature resistant from -50°C (-58°F) to 170°C (338°F) constant
- Available in a wide range of styles and diameters
- Available in Blue and in Black

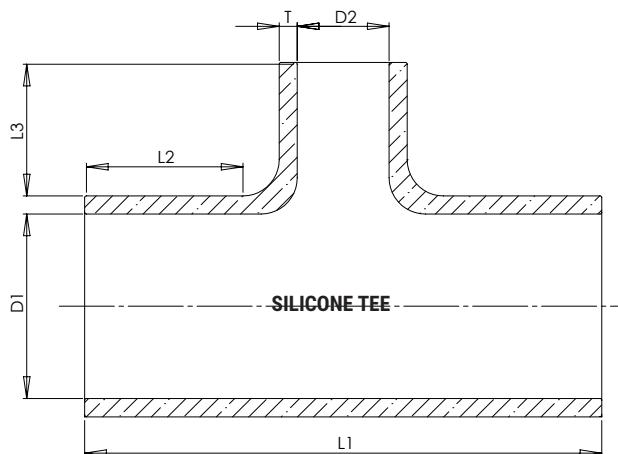


STRAIGHT HOSE - PRECUT LENGTHS

| PART # BLUE | PART # BLACK | D1 | L1 | PLY | T |
|----------------|----------------|---------------|---------------|-----|-------|
| TS-HS100060-BE | TS-HS100060-BK | 1.00" (25mm) | 2.375" (60mm) | 3 | 4.5mm |
| TS-HS110060-BE | TS-HS110060-BK | 1.10" (28mm) | 2.375" (60mm) | 3 | 4.5mm |
| TS-HS125060-BE | TS-HS125060-BK | 1.25" (32mm) | 2.375" (60mm) | 3 | 4.5mm |
| TS-HS150060-BE | TS-HS150060-BK | 1.50" (38mm) | 2.375" (60mm) | 3 | 4.5mm |
| TS-HS175060-BE | TS-HS175060-BK | 1.75" (45mm) | 2.375" (60mm) | 3 | 4.5mm |
| TS-HS200075-BE | TS-HS200075-BK | 2.00" (50mm) | 3.00" (75mm) | 3 | 4.5mm |
| TS-HS225075-BE | TS-HS225075-BK | 2.25" (57mm) | 3.00" (75mm) | 4 | 5mm |
| TS-HS236075-BE | TS-HS236075-BK | 2.36" (60mm) | 3.00" (75mm) | 4 | 5mm |
| TS-HS250075-BE | TS-HS250075-BK | 2.50" (63mm) | 3.00" (75mm) | 4 | 5mm |
| TS-HS275075-BE | TS-HS275075-BK | 2.75" (70mm) | 3.00" (75mm) | 4 | 5mm |
| TS-HS300075-BE | TS-HS300075-BK | 3.00" (75mm) | 3.00" (75mm) | 4 | 5mm |
| TS-HS325090-BE | TS-HS325090-BK | 3.25" (83mm) | 3.50" (90mm) | 4 | 5mm |
| TS-HS350090-BE | TS-HS350090-BK | 3.50" (89mm) | 3.50" (90mm) | 4 | 5mm |
| TS-HS375090-BE | TS-HS375090-BK | 3.75" (95mm) | 3.50" (90mm) | 4 | 5mm |
| TS-HS400090-BE | TS-HS400090-BK | 4.00" (102mm) | 3.50" (90mm) | 4 | 5mm |

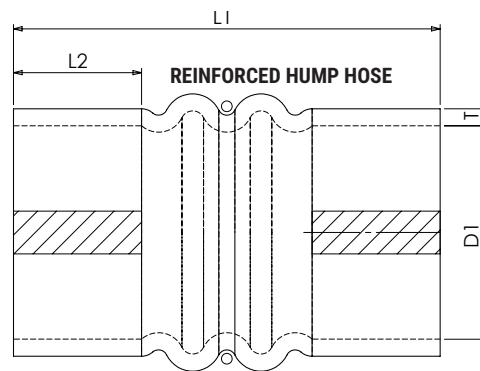
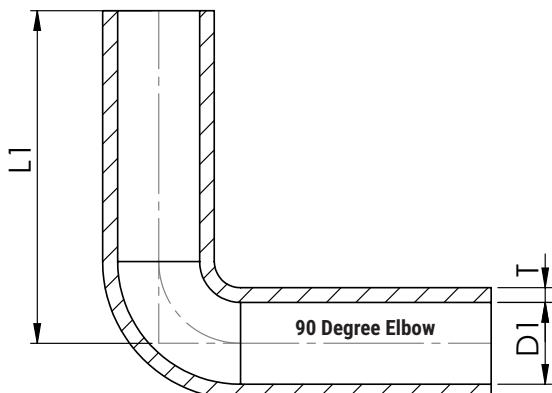
STRAIGHT HOSE - FULL LENGTHS

| PART # BLUE | PART # BLACK | D1 | L1 | PLY | T |
|----------------|----------------|---------------|------------|-----|-------|
| TS-HS100610-BE | TS-HS100610-BK | 1.00" (25mm) | 2' (610mm) | 3 | 4.5mm |
| TS-HS110610-BE | TS-HS110610-BK | 1.10" (28mm) | 2' (610mm) | 3 | 4.5mm |
| TS-HS125610-BE | TS-HS125610-BK | 1.25" (32mm) | 2' (610mm) | 3 | 4.5mm |
| TS-HS150610-BE | TS-HS150610-BK | 1.50" (38mm) | 2' (610mm) | 3 | 4.5mm |
| TS-HS175610-BE | TS-HS175610-BK | 1.75" (45mm) | 2' (610mm) | 3 | 4.5mm |
| TS-HS200610-BE | TS-HS200610-BK | 2.00" (50mm) | 2' (610mm) | 3 | 4.5mm |
| TS-HS225610-BE | TS-HS225610-BK | 2.25" (57mm) | 2' (610mm) | 4 | 5mm |
| TS-HS250610-BE | TS-HS250610-BK | 2.50" (63mm) | 2' (610mm) | 4 | 5mm |
| TS-HS275610-BE | TS-HS275610-BK | 2.75" (70mm) | 2' (610mm) | 4 | 5mm |
| TS-HS300610-BE | TS-HS300610-BK | 3.00" (75mm) | 2' (610mm) | 4 | 5mm |
| TS-HS325610-BE | TS-HS325610-BK | 3.25" (83mm) | 2' (610mm) | 4 | 5mm |
| TS-HS350610-BE | TS-HS350610-BK | 3.50" (89mm) | 2' (610mm) | 4 | 5mm |
| TS-HS375610-BE | TS-HS375610-BK | 3.75" (95mm) | 2' (610mm) | 4 | 5mm |
| TS-HS400610-BE | TS-HS400610-BK | 4.00" (102mm) | 2' (610mm) | 4 | 5mm |



SILICONE TEES

| PART # BLUE | PART # BLACK | D1 | D2 | L1 | L2 | L3 | PLY | T |
|----------------|----------------|----------------|----------------|-------|------|------|-----|-----|
| TS-HT200100-BE | | 2.00" (50.8mm) | 1.00" (25mm) | 143mm | 44mm | 37mm | 4 | 5mm |
| TS-HT200150-BE | TS-HT200150-BK | 2.00" (50.8mm) | 1.50" (38.1mm) | 143mm | 38mm | 37mm | 4 | 5mm |
| TS-HT225150-BE | TS-HT225150-BK | 2.25" (57.1mm) | 1.50" (38.1mm) | 143mm | 38mm | 37mm | 4 | 5mm |
| TS-HT250100-BE | | 2.50" (63.5mm) | 1.00" (25mm) | 143mm | 44mm | 37mm | 4 | 5mm |
| TS-HT250150-BE | TS-HT250150-BK | 2.50" (63.5mm) | 1.50" (38.1mm) | 143mm | 38mm | 37mm | 4 | 5mm |
| TS-HT275150-BE | TS-HT275150-BK | 2.75" (69.9mm) | 1.50" (38.1mm) | 143mm | 38mm | 37mm | 4 | 5mm |
| TS-HT300150-BE | TS-HT300150-BK | 3.00" (76.2mm) | 1.50" (38.1mm) | 158mm | 45mm | 38mm | 4 | 5mm |

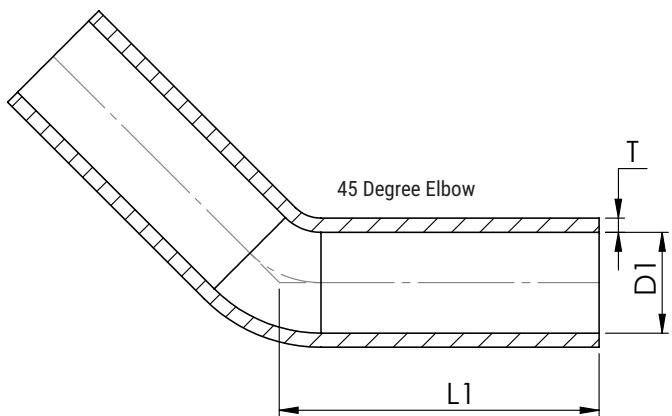


90 DEGREE ELBOWS

| PART # BLUE | PART # BLACK | D1 | L1 | PLY | T |
|---------------|---------------|-----------------|-------|-----|-------|
| TS-HE90100-BE | TS-HE90100-BK | 1.00" (25.4mm) | 102mm | 4 | 4.5mm |
| TS-HE90125-BE | TS-HE90125-BK | 1.25" (31.75mm) | 102mm | 4 | 4.5mm |
| TS-HE90150-BE | TS-HE90150-BK | 1.50" (38.1mm) | 102mm | 4 | 4.5mm |
| TS-HE90175-BE | TS-HE90175-BK | 1.75" (44.5mm) | 102mm | 4 | 4.5mm |
| TS-HE90200-BE | TS-HE90200-BK | 2.00" (50.8mm) | 102mm | 4 | 4.5mm |
| TS-HE90225-BE | TS-HE90225-BK | 2.25" (57.1mm) | 102mm | 4 | 5mm |
| TS-HE90250-BE | TS-HE90250-BK | 2.50" (63.5mm) | 127mm | 4 | 5mm |
| TS-HE90275-BE | TS-HE90275-BK | 2.75" (69.9mm) | 152mm | 4 | 5mm |
| TS-HE90300-BE | TS-HE90300-BK | 3.00" (76.2mm) | 152mm | 4 | 5mm |
| TS-HE90350-BE | TS-HE90350-BK | 3.50" (88.9mm) | 152mm | 4 | 5mm |
| TS-HE90400-BE | TS-HE90400-BK | 4.00" (101.6mm) | 152mm | 4 | 5mm |

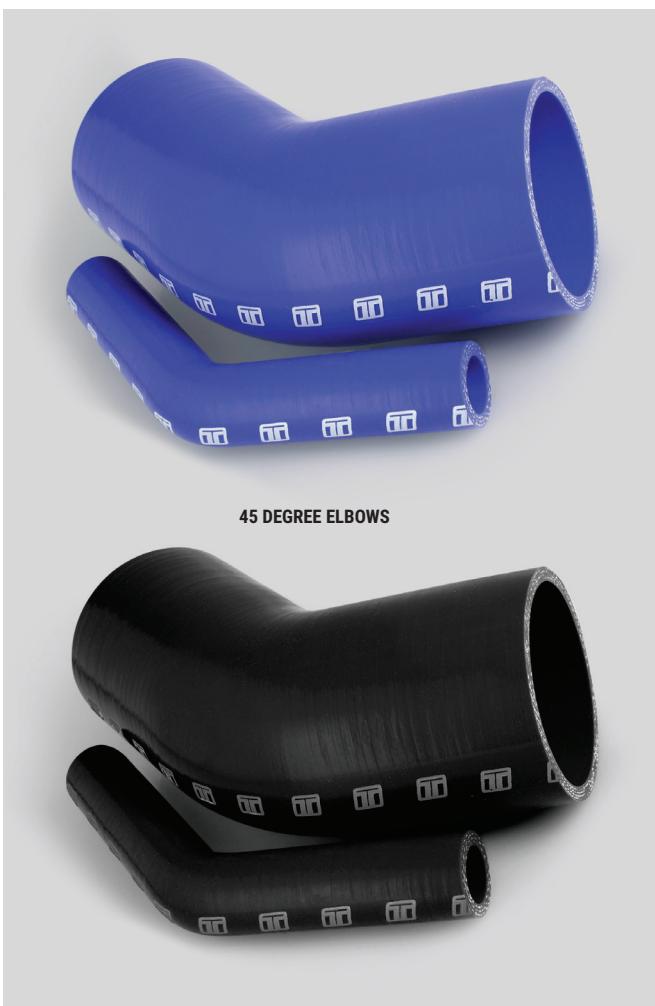
REINFORCED HUMP HOSES

| PART # BLUE | PART # BLACK | D1 | L1 | L2 | T |
|-------------|--------------|-----------------|-------|------|-------|
| TS-HH200-BE | TS-HH200-BK | 2.00" (50.8mm) | 100mm | 30mm | 4 5mm |
| TS-HH225-BE | TS-HH225-BK | 2.25" (57.1mm) | 114mm | 35mm | 4 5mm |
| TS-HH250-BE | TS-HH250-BK | 2.50" (63.5mm) | 126mm | 37mm | 4 5mm |
| TS-HH275-BE | TS-HH275-BK | 2.75" (69.9mm) | 140mm | 40mm | 4 5mm |
| TS-HH300-BE | TS-HH300-BK | 3.00" (76.2mm) | 152mm | 45mm | 4 5mm |
| TS-HH350-BE | TS-HH350-BK | 3.50" (88.9mm) | 178mm | 55mm | 4 5mm |
| TS-HH400-BE | TS-HH400-BK | 4.00" (101.6mm) | 204mm | 60mm | 4 5mm |



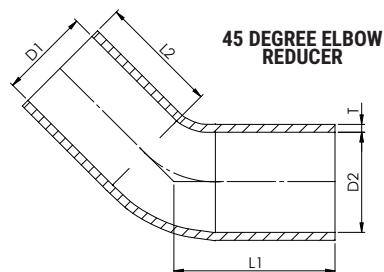
45 DEGREE ELBOWS

| PART # BLUE | PART # BLACK | D1 | L1 | PLY | T |
|---------------|---------------|-----------------|-------|-----|-------|
| TS-HE45075-BE | TS-HE45075-BK | 0.75" (19.05mm) | 102mm | 4 | 4.5mm |
| TS-HE45100-BE | TS-HE45100-BK | 1.00" (25.4mm) | 102mm | 4 | 4.5mm |
| TS-HE45125-BE | TS-HE45125-BK | 1.25" (31.75mm) | 102mm | 4 | 4.5mm |
| TS-HE45150-BE | TS-HE45150-BK | 1.50" (38.1mm) | 102mm | 4 | 4.5mm |
| TS-HE45175-BE | TS-HE45175-BK | 1.75" (44.45mm) | 102mm | 4 | 4.5mm |
| TS-HE45200-BE | TS-HE45200-BK | 2.00" (50.8mm) | 102mm | 4 | 4.5mm |
| TS-HE45225-BE | TS-HE45225-BK | 2.25" (57.1mm) | 102mm | 4 | 5mm |
| TS-HE45250-BE | TS-HE45250-BK | 2.50" (63.5mm) | 102mm | 4 | 5mm |
| TS-HE45275-BE | TS-HE45275-BK | 2.75" (69.9mm) | 102mm | 4 | 5mm |
| TS-HE45300-BE | TS-HE45300-BK | 3.00" (76.2mm) | 102mm | 4 | 5mm |
| TS-HE45350-BE | TS-HE45350-BK | 3.50" (88.9mm) | 127mm | 4 | 5mm |
| TS-HE45400-BE | TS-HE45400-BK | 4.00" (101.6mm) | 127mm | 4 | 5mm |



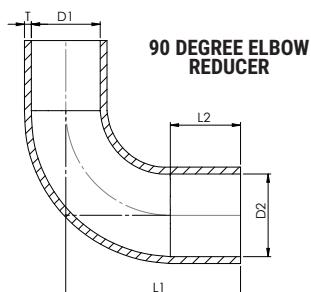
45 DEGREE ELBOW REDUCERS

| PART # BLUE | PART # BLACK | D1 | D2 | L1 | L2 | PLY | T |
|------------------|------------------|----------------|----------------|-------|-------|-----|-----|
| TS-HRE2025-BE | TS-HRE2025-BK | 2.00" (51mm) | 2.50" (63mm) | 80mm | 100mm | 4 | 5mm |
| TS-HRE42030-BE | TS-HRE42030-BK | 2.00" (51mm) | 3.00" (76mm) | 90mm | 90mm | 4 | 5mm |
| TS-HRE42225-BE | TS-HRE42225-BK | 2.25" (57.1mm) | 2.50" (63.5mm) | 102mm | 75mm | 4 | 5mm |
| TS-HRE4250275-BE | TS-HRE4250275-BK | 2.50" (63mm) | 2.75" (70mm) | 75mm | 85mm | 4 | 5mm |
| TS-HRE42530-BE | TS-HRE42530-BK | 2.50" (63mm) | 3.00" (76mm) | 85mm | 95mm | 4 | 5mm |
| TS-HRE4275300-BE | TS-HRE4275300-BK | 2.75" (70mm) | 3.00" (76mm) | 80mm | 95mm | 4 | 5mm |



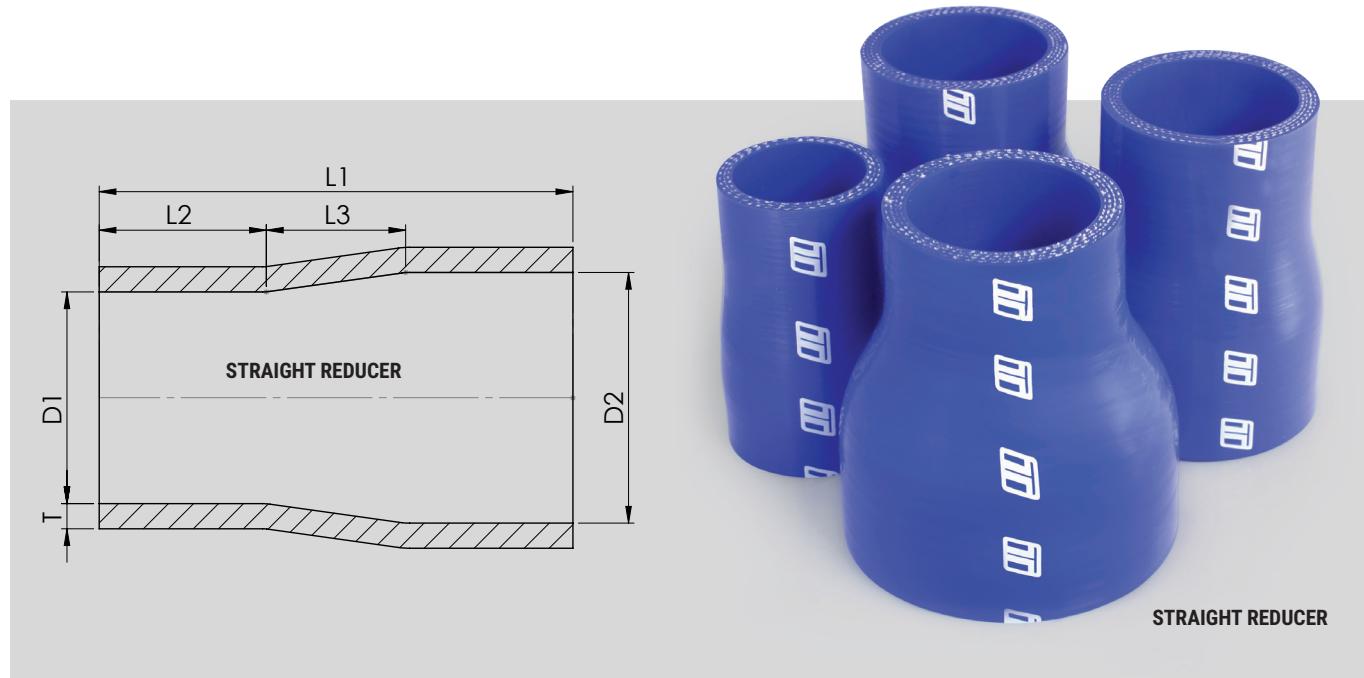
90 DEGREE ELBOW REDUCERS

| PART # BLUE | PART # BLACK | D1 | D2 | L1 | L2 | PLY | T |
|------------------|------------------|----------------|----------------|-------|------|-----|-----|
| TS-HRE92025-BE | TS-HRE92025-BK | 2.00" (50.8mm) | 2.50" (63.5mm) | 127mm | 51mm | 4 | 5mm |
| TS-HRE92030-BE | TS-HRE92030-BK | 2.00" (50.8mm) | 3.00" (76mm) | 100mm | 80mm | 4 | 5mm |
| TS-HRE9250275-BE | TS-HRE9250275-BK | 2.50" (63mm) | 2.75" (70mm) | 110mm | 70mm | 4 | 5mm |
| TS-HRE92530-BE | TS-HRE92530-BK | 2.50" (63mm) | 3.00" (76mm) | 127mm | 51mm | 4 | 5mm |
| TS-HRE9275300-BE | TS-HRE9275300-BK | 2.75" (70mm) | 3.00" (76mm) | 110mm | 70mm | 4 | 5mm |



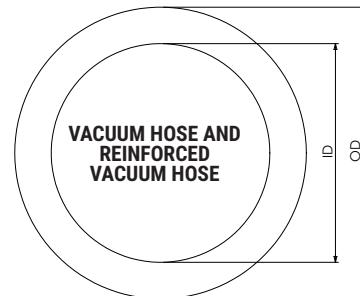
STRAIGHT REDUCERS

| PART # BLUE | PART # BLACK | D1 | D2 | L1 | L2 | L3 | PLY | T |
|----------------|----------------|-----------------|-----------------|-------|------|------|-----|-------|
| TS-HR125175-BE | TS-HR125175-BK | 1.25" (31.75mm) | 1.75" (44.45mm) | 85mm | 30mm | 25mm | 4 | 4.5mm |
| TS-HR150175-BE | TS-HR150175-BK | 1.50" (38.1mm) | 1.75" (44.45mm) | 85mm | 30mm | 25mm | 4 | 4.5mm |
| TS-HR150200-BE | TS-HR150200-BK | 1.50" (38.1mm) | 2.00" (50.8mm) | 100mm | 37mm | 25mm | 4 | 4.5mm |
| TS-HR175200-BE | TS-HR175200-BK | 1.75" (44.45mm) | 2.00" (50.8mm) | 100mm | 37mm | 25mm | 4 | 4.5mm |
| TS-HR175225-BE | TS-HR175225-BK | 1.75" (44.45mm) | 2.25" (57.1mm) | 100mm | 37mm | 25mm | 4 | 4.5mm |
| TS-HR175300-BE | TS-HR175300-BK | 1.75" (44.45mm) | 3.00" (76.2mm) | 100mm | 37mm | 25mm | 4 | 4.5mm |
| TS-HR200225-BE | TS-HR200225-BK | 2.00" (50.8mm) | 2.25" (57.1mm) | 100mm | 37mm | 25mm | 4 | 5mm |
| TS-HR200250-BE | TS-HR200250-BK | 2.00" (50.8mm) | 2.50" (63.5mm) | 100mm | 37mm | 25mm | 4 | 5mm |
| TS-HR200275-BE | TS-HR200275-BK | 2.00" (50.8mm) | 2.75" (69.9mm) | 100mm | 37mm | 25mm | 4 | 5mm |
| TS-HR200300-BE | TS-HR200300-BK | 2.00" (50.8mm) | 3.00" (76.2mm) | 100mm | 37mm | 25mm | 4 | 5mm |
| TS-HR200325-BE | TS-HR200325-BK | 2.00" (50.8mm) | 3.25" (82.5mm) | 100mm | 37mm | 25mm | 4 | 5mm |
| TS-HR225250-BE | TS-HR225250-BK | 2.25" (57.1mm) | 2.50" (63.5mm) | 100mm | 37mm | 25mm | 4 | 5mm |
| TS-HR225275-BE | TS-HR225275-BK | 2.25" (57.1mm) | 2.75" (69.9mm) | 100mm | 37mm | 25mm | 4 | 5mm |
| TS-HR225300-BE | TS-HR225300-BK | 2.25" (57.1mm) | 3.00" (76.2mm) | 100mm | 37mm | 25mm | 4 | 5mm |
| TS-HR250275-BE | TS-HR250275-BK | 2.50" (63.5mm) | 2.75" (69.9mm) | 100mm | 37mm | 25mm | 4 | 5mm |
| TS-HR250300-BE | TS-HR250300-BK | 2.50" (63.5mm) | 3.00" (76.2mm) | 100mm | 37mm | 25mm | 4 | 5mm |
| TS-HR250325-BE | TS-HR250325-BK | 2.50" (63.5mm) | 3.25" (82.5mm) | 115mm | 45mm | 25mm | 4 | 5mm |
| TS-HR275300-BE | TS-HR275300-BK | 2.75" (69.9mm) | 3.00" (76.2mm) | 100mm | 37mm | 25mm | 4 | 5mm |
| TS-HR275350-BE | TS-HR275350-BK | 2.75" (69.9mm) | 3.50" (88.9mm) | 115mm | 45mm | 25mm | 4 | 5mm |
| TS-HR300325-BE | TS-HR300325-BK | 3.00" (76.2mm) | 3.25" (82.5mm) | 115mm | 37mm | 25mm | 4 | 5mm |
| TS-HR300350-BE | TS-HR300350-BK | 3.00" (76.2mm) | 3.50" (88.9mm) | 115mm | 45mm | 25mm | 4 | 5mm |
| TS-HR300375-BE | TS-HR300375-BK | 3.00" (76.2mm) | 3.75" (95.25mm) | 115mm | 45mm | 25mm | 4 | 5mm |
| TS-HR300400-BE | TS-HR300400-BK | 3.00" (76.2mm) | 4.00" (101.6mm) | 115mm | 45mm | 25mm | 4 | 5mm |
| TS-HR325400-BE | TS-HR325400-BK | 3.25" (82.5mm) | 4.00" (101.6mm) | 115mm | 45mm | 25mm | 4 | 5mm |
| TS-HR350375-BE | TS-HR350375-BK | 3.50" (88.9mm) | 3.75" (95.25mm) | 115mm | 45mm | 25mm | 4 | 5mm |
| TS-HR350400-BE | TS-HR350400-BK | 3.50" (88.9mm) | 4.00" (101.6mm) | 115mm | 45mm | 25mm | 4 | 5mm |



VACUUM HOSE

| PART # BLUE | PART # BLACK | PART # RED | ID | OD | LENGTH |
|--------------|--------------|--------------|-----|------|--------|
| TS-HV0303-BE | TS-HV0303-BK | TS-HV0303-RD | 3mm | 8mm | 3m |
| TS-HV0403-BE | TS-HV0403-BK | TS-HV0403-RD | 4mm | 9mm | 3m |
| TS-HV0503-BE | TS-HV0503-BK | TS-HV0503-RD | 5mm | 10mm | 3m |
| TS-HV0603-BE | TS-HV0603-BK | TS-HV0603-RD | 6mm | 11mm | 3m |



REINFORCED VACUUM HOSE

| PART # BLACK | ID | OD | LENGTH |
|---------------|-----|------|--------|
| TS-HVR0303-BK | 3mm | 8mm | 3m |
| TS-HVR0403-BK | 4mm | 9mm | 3m |
| TS-HVR0503-BK | 5mm | 10mm | 3m |
| TS-HVR0603-BK | 6mm | 11mm | 3m |

QUICK RELEASE BARREL CLAMPS

| PART NUMBER | DIAMETER (INCH) | DIAMETER (MM) |
|-------------|-----------------|---------------|
| TS-HCB-038 | 1.5" | 38-41mm |
| TS-HCB-045 | 1.75" | 42-45mm |
| TS-HCB-051 | 2.00" | 46-51mm |
| TS-HCB-057 | 2.25" | 55-60mm |
| TS-HCB-063 | 2.5" | 60-67mm |
| TS-HCB-069 | 2.75" | 68-73mm |
| TS-HCB-076 | 3.0" | 73-80mm |
| TS-HCB-082 | 3.25" | 79-86mm |
| TS-HCB-088 | 3.5" | 85-92mm |
| TS-HCB-095 | 3.75" | 91-98mm |
| TS-HCB-101 | 4" | 100-104mm |
| TS-HCB-108 | 4.25" | 105-112mm |



CONSTANT TENSION CLAMPS (2 PER PACK)

| PART NUMBER | DIAMETER (INCH) | DIAMETER (MM) |
|-------------|-----------------|---------------|
| TS-HCT-M033 | 1.125-1.500" | (28-38mm) |
| TS-HCT-M042 | 1.375-1.875" | (35-48mm) |
| TS-HCT-M050 | 1.625-2.375" | (41-60mm) |
| TS-HCT-M062 | 1.970-2.875" | (50-73mm) |
| TS-HCT-M075 | 2.500-3.375" | (64-86mm) |
| TS-HCT-M081 | 2.750-3.625" | (70-92mm) |
| TS-HCT-M100 | 3.750-4.625" | (95-117.5mm) |



SPRING CLAMPS (10 PER PACK)

| PART NUMBER | SUITS VACUUM HOSE ID (INCH) | (MM) |
|-------------|-----------------------------|-------|
| TS-HCS-003 | 0.12" | (3mm) |
| TS-HCS-005 | 0.20" | (5mm) |
| TS-HCS-006 | 0.24" | (6mm) |

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