

TURBOSMART®
Engineered to WIN

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

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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 Millspec 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.



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

SEMA

SPECIALTY EQUIPMENT MARKET ASSOCIATION
BEST NEW PERFORMANCE-RACING PRODUCT 2019
Presented at the annual SEMA Show to
Turbosmart

In recognition of outstanding and innovative design achievement in a newly
developed and introduced automotive performance-racing product.

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
BOV5 INC SMARTPORT	600	38.1mm
BIG BUBBA	1500	50.8mm
RACEPORT	2500	50.8mm
PROPORT	3500	54mm
POWERPORT	3500+	63.5mm

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

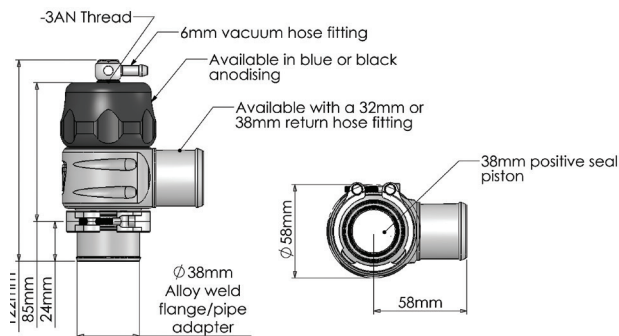
PLUMB BACK HIGH PERFORMANCE / CUSTOM BUILDS

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

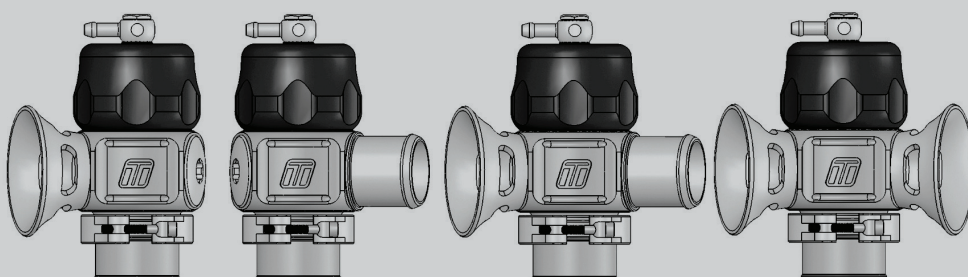
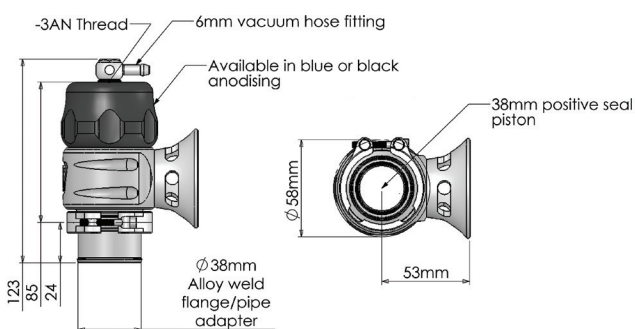


SUPERSONIC HIGH PERFORMANCE / CUSTOM BUILDS

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.

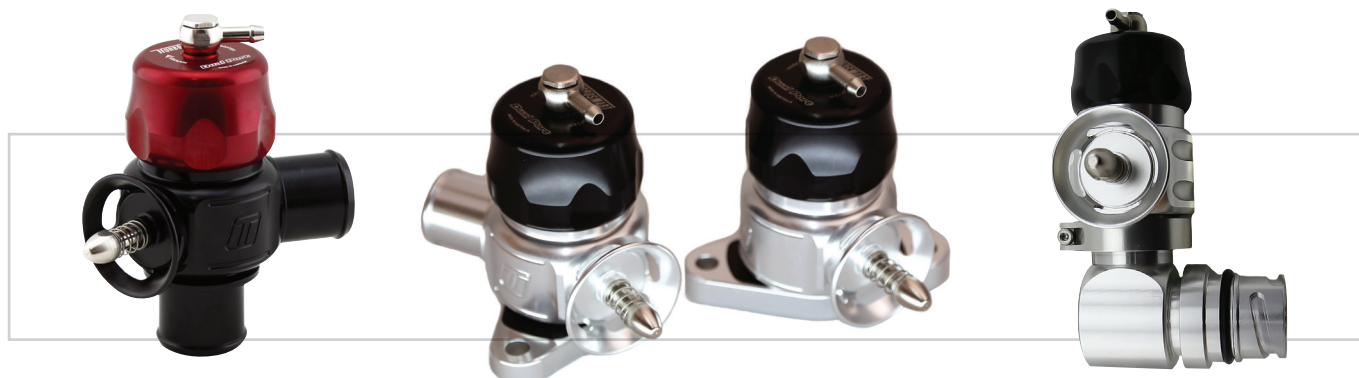
Its benefits include:

- 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



TS-0215-1022
Smart Port Dual Port
Mitsubishi Evo IV to X - Red

TS-0215-1027
Smart Port Dual Port
Nissan GT-R R35 Kit

TS-0215-1371
Smart Port Supersonic Ford F150 2013+
3.5L & 2.7L Ecoboost/Raptor

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 it's 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

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 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



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 the 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
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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



COMPgate40

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

COMPgate40 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:

Springs, 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:

Springs, 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



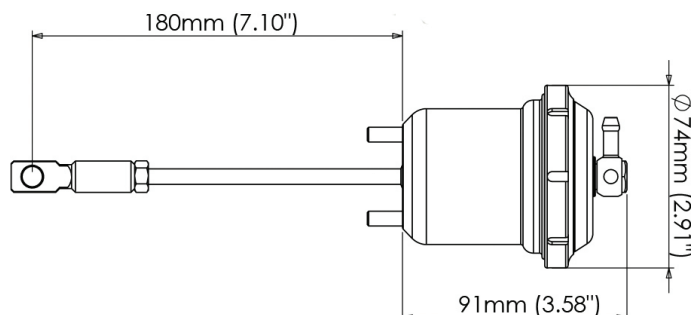
HIGH PRESSURE INTERNAL WASTEGATE ACTUATOR

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
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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 swivel-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.

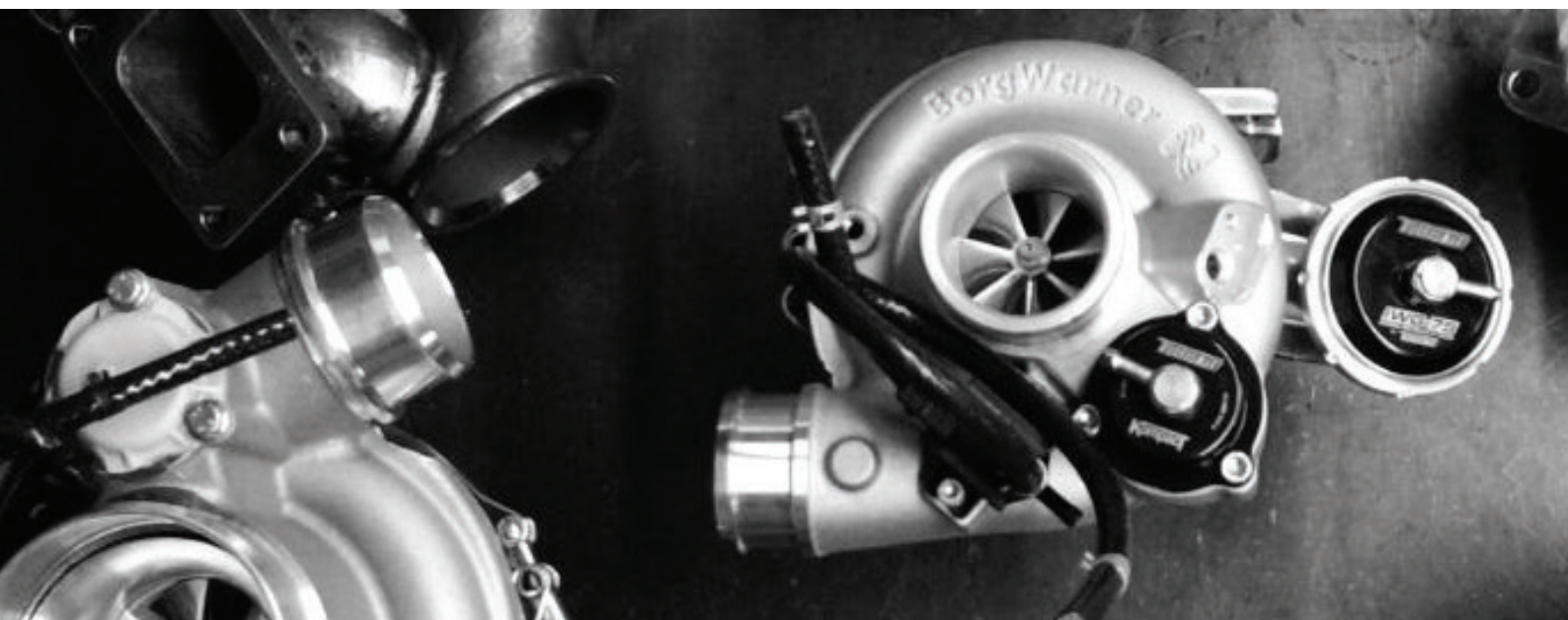
Features:

- 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.

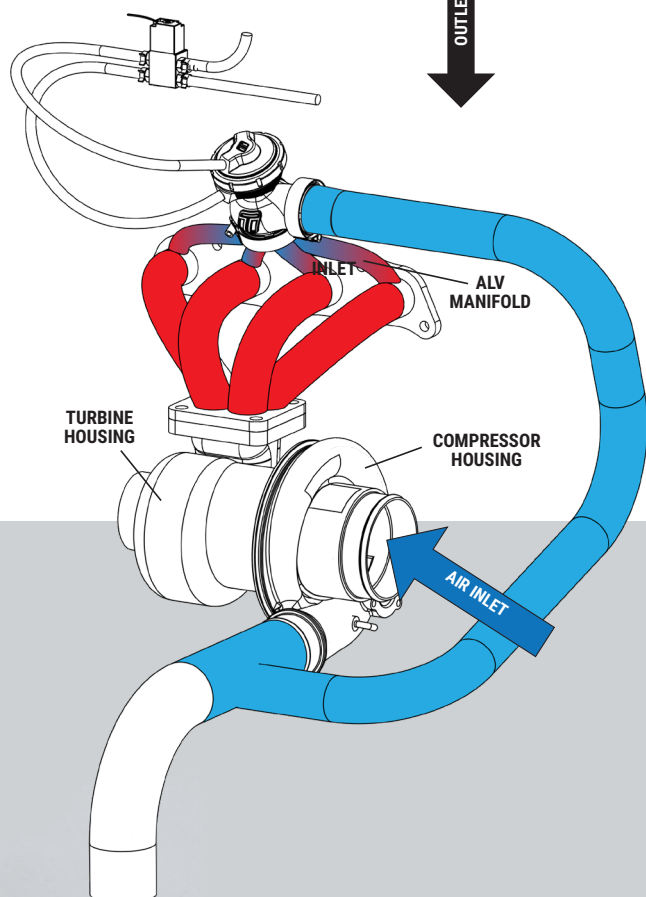
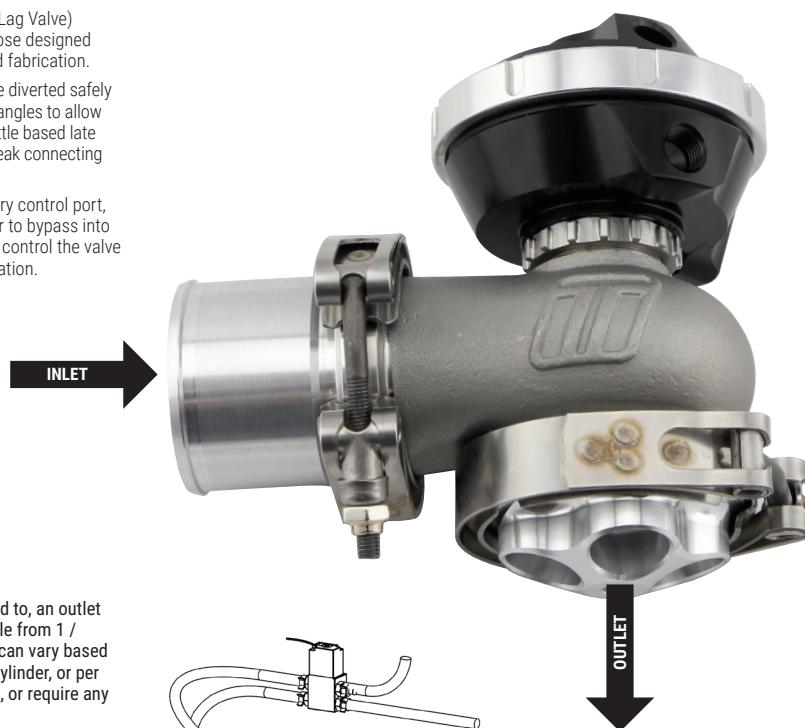
Included in Box:

- 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





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 TURBOSMART FPR PRO SERIES FOR MULTI-PORT 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

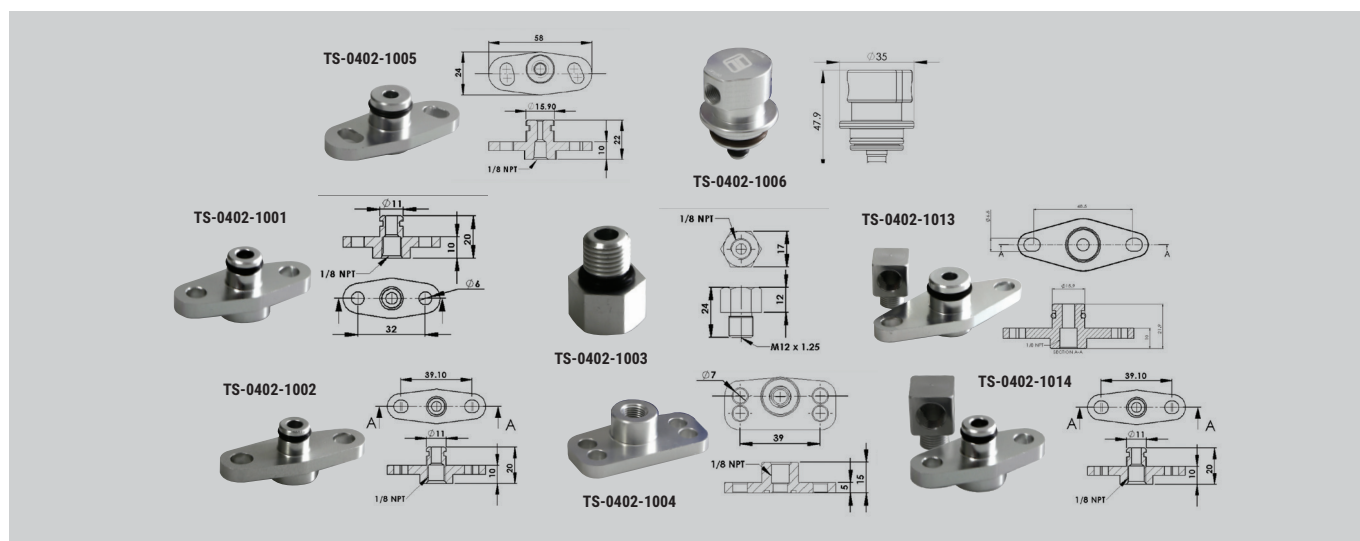
TS-0402-1130	Fuel Filter 10um AN-6
TS-0402-1131	Fuel Filter 10um AN-8
TS-0402-1132	Fuel Filter 10um AN-10
TS-0402-1140	Fuel Filter Bracket
TS-0402-3001	Billet Fuel Filter Element Replacement 10um



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), Forrester (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	4EFTE	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 aluminium 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-BOOSTHP

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



TS-0701-1011

TS-0701-3011

TS-0701-2011

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



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



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

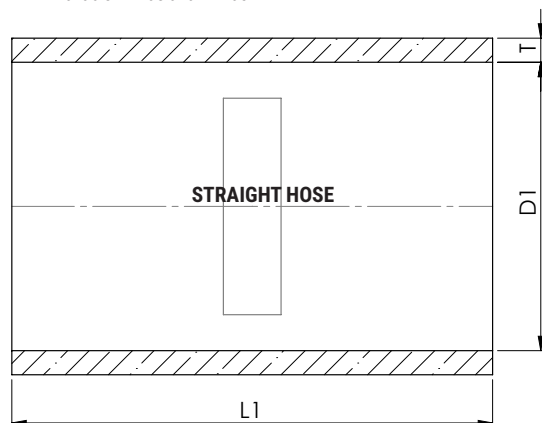



STRAIGHT HOSE

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

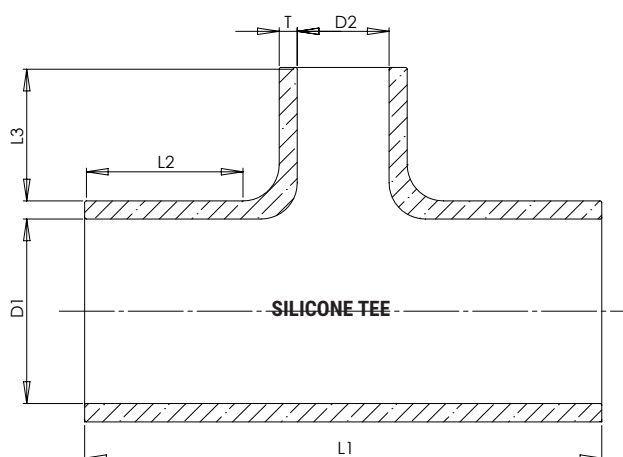


STRAIGHT HOSE - PRECUT LENGTHS

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

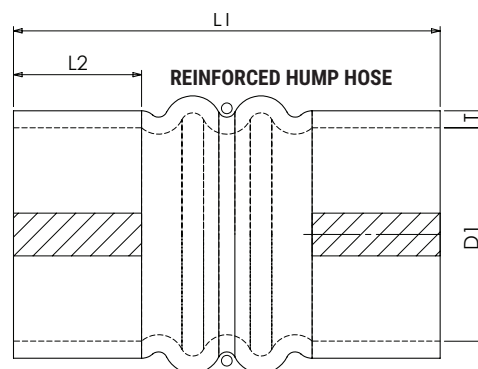
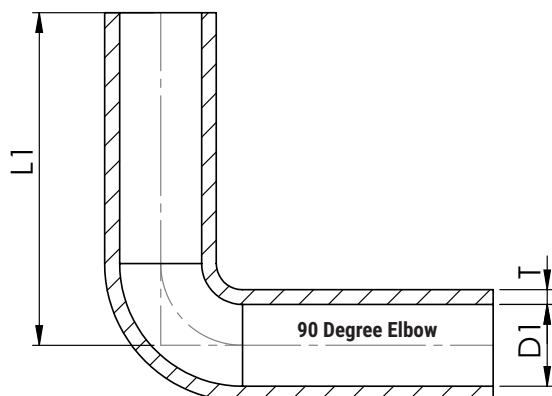
STRAIGHT HOSE - FULL LENGTHS

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

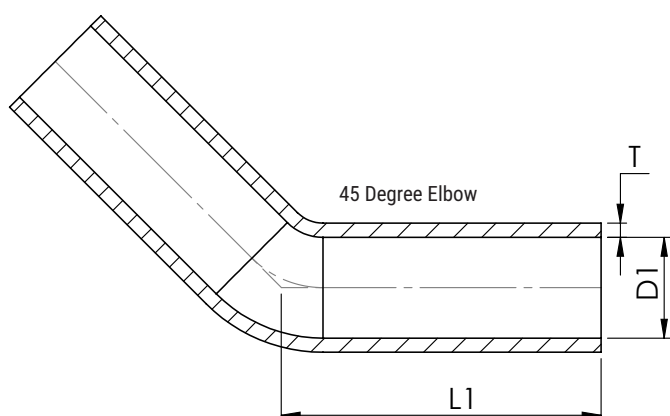


90 DEGREE ELBOWS

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

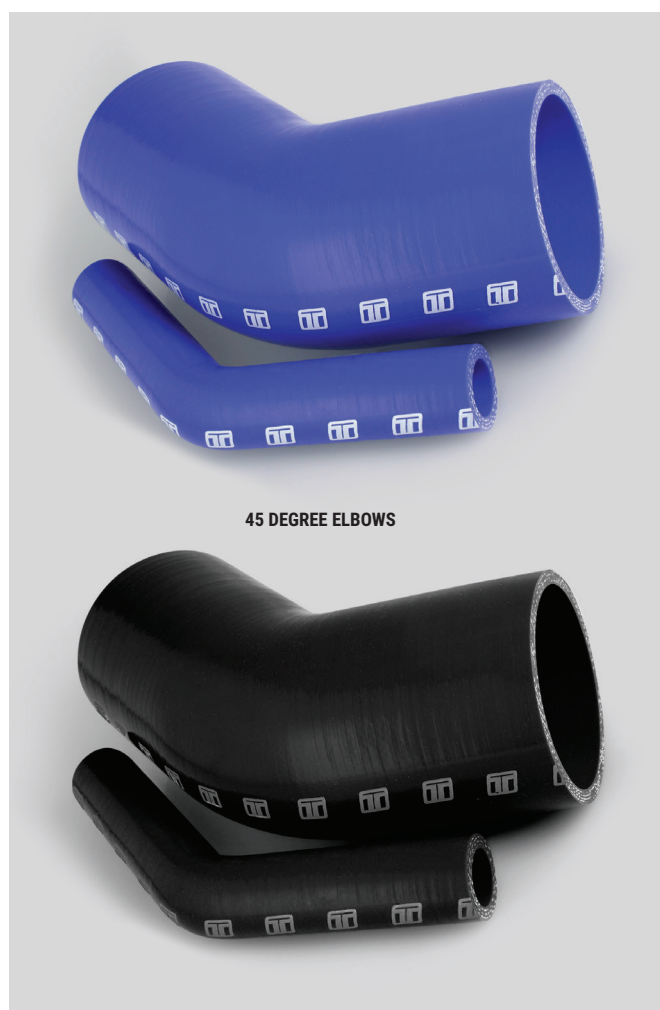
REINFORCED HUMP HOSES

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

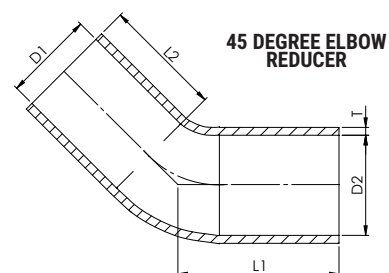
PART # BLUE	PART # BLACK	D1	L1	PLY	T
TS-HE45075-BE	TS-HE45075-BK	0.75" (19.05mm)	102mm	4	4.5mm
TS-HE45100-BE	TS-HE45100-BK	1.00" (25.4mm)	102mm	4	4.5mm
TS-HE45125-BE	TS-HE45125-BK	1.25" (31.75mm)	102mm	4	4.5mm
TS-HE45150-BE	TS-HE45150-BK	1.50" (38.1mm)	102mm	4	4.5mm
TS-HE45175-BE	TS-HE45175-BK	1.75" (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 ELBOWS

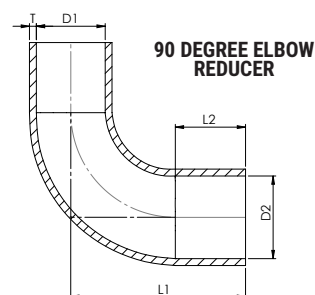
45 DEGREE ELBOW REDUCERS

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



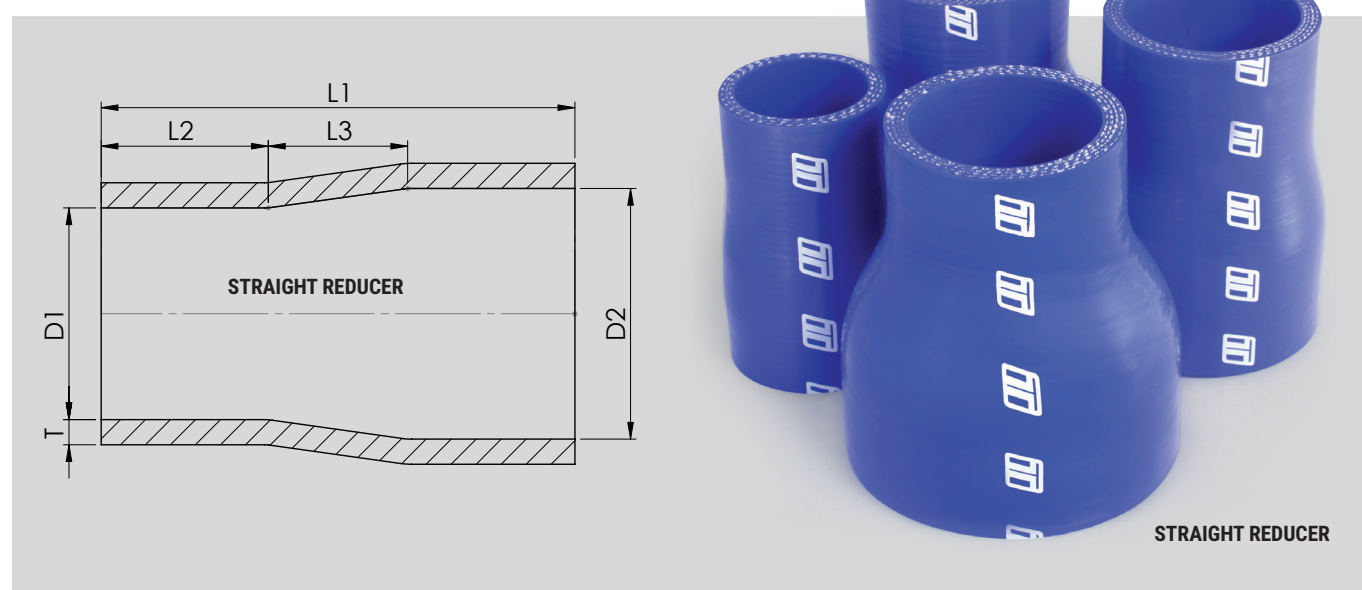
90 DEGREE ELBOW REDUCERS

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

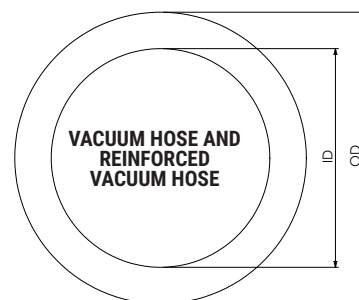
PART # BLUE	PART # BLACK	D1	D2	L1	L2	L3	PLY	T
TS-HR125175-BE	TS-HR125175-BK	1.25" (31.75mm)	1.75" (44.45mm)	85mm	30mm	25mm	4	4.5mm
TS-HR150175-BE	TS-HR150175-BK	1.50" (38.1mm)	1.75" (44.45mm)	85mm	30mm	25mm	4	4.5mm
TS-HR150200-BE	TS-HR150200-BK	1.50" (38.1mm)	2.00" (50.8mm)	100mm	37mm	25mm	4	4.5mm
TS-HR175200-BE	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	
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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