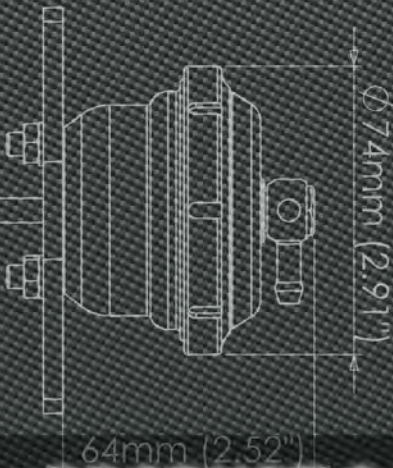
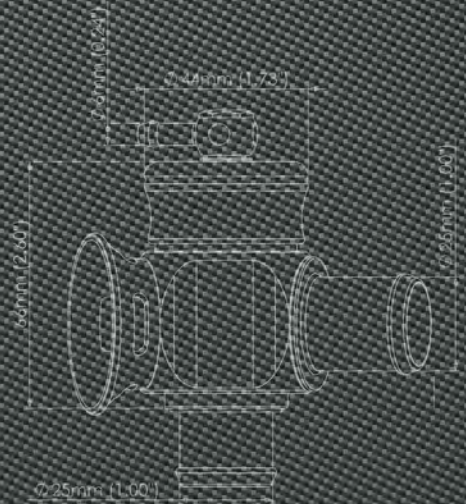
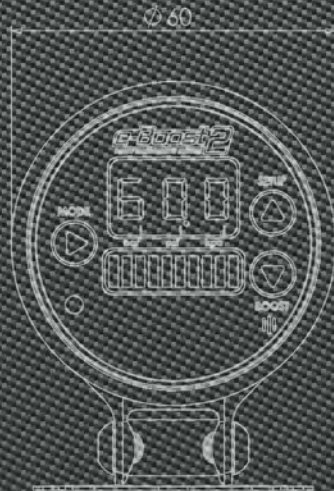
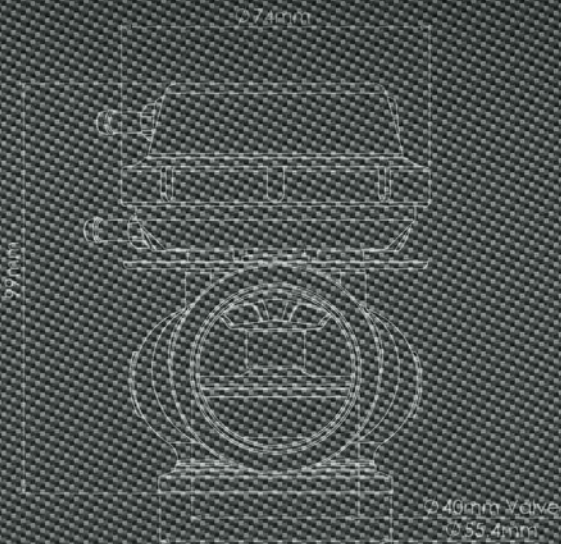




TURBOSMART

Engineered to WIN



PRODUCT CATALOG
2015



Message from the CEO



2015 will be a milestone year for Turbosmart,
because this is the year Turbosmart takes on the world!

Thank you for picking up the Turbosmart 2015 catalog. I believe 2015 will usher in one of the most exciting times in Turbosmart's history. It will be a "milestone" year for Turbosmart, because this is the year Turbosmart takes on the world. Yes, Turbosmart is unapologetically aiming for world domination of the boost control market!

We've started strong, with the Turbosmart brand truly coming into its own in the United States. Turbosmart USA has gone from strength to strength, establishing Turbosmart as a true dominating force in the American market. To ensure our meteoric rise in North America continues, we've recently added several more Turbosmart enthusiasts to the USA team and have moved our USA facilities to a positively massive new location in Southern California.

Implementing phase two of our plan brings with it some of the most exciting Turbosmart news of late: Turbosmart UK is now open for business! This is a huge move for Turbosmart, and along with our new office in Birmingham, comes a brand new dedicated Turbosmart warehousing facility in Poland. We have also stepped up our research and development program to produce a larger range of products to suit more British and European cars, making Turbosmart parts more accessible than ever before for our customers on that side of the pond.

Higher global demand of Turbosmart products has meant some substantial change is needed here at home too. Namely a move from our original factory to a much larger facility. This move will allow us to continue designing and manufacturing our products, all under the one roof, right here in Sydney, Australia – something I'm very proud to say. It is from here that we consult with some of the world's top racing teams, providing them with the innovation, technology and engineering they need to win races and break world records at an elite level. We then take all of that pure, race-winning knowledge and use it to make the parts you see in this catalog.

We don't believe in producing "hero" products for the privileged few- ever since we began production of our original blow-off valves back in 1997, we have always aimed to be more than just a manufacturer of car parts. Our single minded goal has been to give every motor enthusiasts in the world something they truly desire: The confidence and absolute certainty that when you open the throttle wide, you'll hear the turbo spool, and be hit with that white-knuckle, force back in your seat, surge of adrenaline that keeps you pushing the limit for more. People often ask me why I started Turbosmart. Now you know the answer.

Nicholas J. Cooper
Founder and CEO, Turbosmart Pty Ltd



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NEW FOR 2015



VAG

Fans of Volkswagen Audi Group will have something to cheer about in 2015, because we have a new IWG, and new Smart Port BOV to suit the Mk 6 Golf R, Mk 6 Scirocco R, and the Audi S3 (2006-2013), in an all new stealthy black look.

TS-0645-1052..... IWG-75 - Golf R
TS-0215-1041..... BOV Smart Port 2.0L VAG Golf R/S3 - Black



Nissan

Joining our ever expanding Kompact range, is a new Dual Port BOV for the 1.6T Nissan Juke/Pulsar.

TS-0203-1080 Kompact Dual Port Nissan Juke/Pulsar



Subaru

Also in the new stealthy black style - A new Type 5 Smart Port BOV specifically designed for the 2015 Subaru WRX

TS-0215-1032 BOV Smart Port WRX 2015 - Black



Twin Port Internal Wastegate Actuators

Designed to suit Borg Warner's EFR range of internally wastegated turbochargers, the all new Twin Port IWG-75 allows you to control a wide range of boost pressure, without relying on spring pressure alone. The Twin port system uses the air-pressure differential between two sealed chambers to gain precise boost control, much like an external wastegate. Also, like an external wastegate the Twin Port IWG-75 can be set up with various different plumbing methods to achieve differing goals.

TS-0620-1143.....IWG75 Borg Warner TP B1 Single Scroll 120mm Rod Black 14 PSI
TS-0620-2143..... IWG75 Borg Warner TP B2 Twin Scroll 140mm Rod Black 14 PSI
TS-0620-3143..... IWG75 Borg Warner TP B3 Single/Twin Scroll 160mm Rod Black 14 PSI

For a full IWG fitting guide, see page 21.





Diesel

Those who like things with a side of black smoke will not be left out in 2015 with a boost reference adapter kit for the popular Mazda BT50/Ford Ranger, and a new internal wastegate actuator for the Nissan Patrol.

VNT Internal Wastegate Actuator

The IWG ZD30 replaces the standard vacuum driven actuator on Nissan's ZD30 engine, with a pressure controlled unit. With this unit, Turbosmart has seen a more linear boost curve, and huge gains in mid-range torque and power.

Fits Nissan Patrol Y61 with ZD30 engine (1997-2013)

TS-0615-4072 IWG ZD30



Boost Reference Adapter Kit.

The BT50/Ranger Boost Reference Adapter (BRA) Kit is an easy to install, compact, reliable, durable solution for obtaining a boost reference for your vehicle. Supplied with BRA, boost gauge, mounting cup and bracket, electrical cable and connectors is suits Mazda BT50 (2011-Current), Ford Ranger (T6) (2011-Current).

TS-0205-2064 BT50/Ranger BRA Kit



Sensor Caps

The Turbosmart Wastegate Sensor Cap uses a position sensor to "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 log data to see how much wastegate valve lift you have through the rev range, and how that corresponds to boost levels. No uncertainty, just hard data.

The Wastegate sensor cap is compatible with a wide range of popular data loggers (MoTec, RacePak, AIM, etc), and is available for all current Turbosmart wastegate sizes: 38mm, 40mm, 45mm, 50mm, and 60mm. (Excluding HP Wastegates).

TS-0502-3010 WG50/60 Sensor Cap - blue
 TS-0502-3011 WG50/60 Sensor Cap - black
 TS-0505-3014 WG38/40/45 Sensor Cap - blue
 TS-0505-3015 WG38/40/45 Sensor Cap - black
 TS-0502-2008 Sensor
 TS-0502-2009 Sensor plug



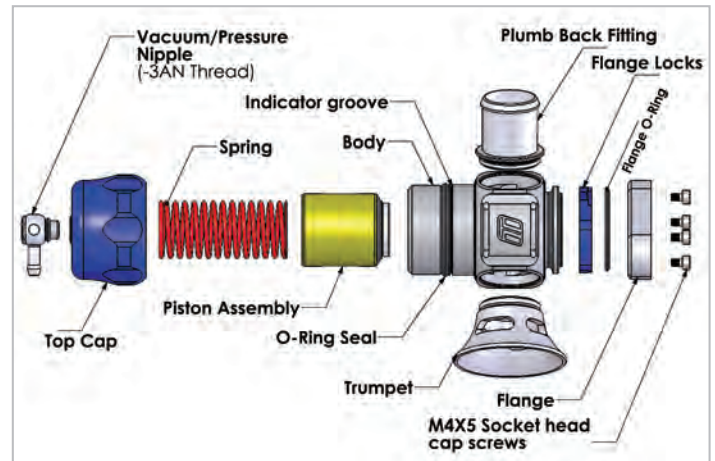


Turbosmart Blow-Off Valves

A blow-off valve, sometimes called a diverter valve or bypass valve, is a pressure relief valve that is mounted between the turbo and the intake manifold. It releases excess air pressure when the vehicle comes off throttle.

A blow-off valve is an essential part of a turbocharger system, as trapped intake pressure can "push-back" on a turbo compressor, causing slow spool up times, and in many cases compressor surge, which can lead to catastrophic damage to turbo bearings.

All Turbosmart blow-off valves are made entirely from billet aluminum, so they will never crack and leak like cast or plastic units do. They also improve boost response from the turbocharger.

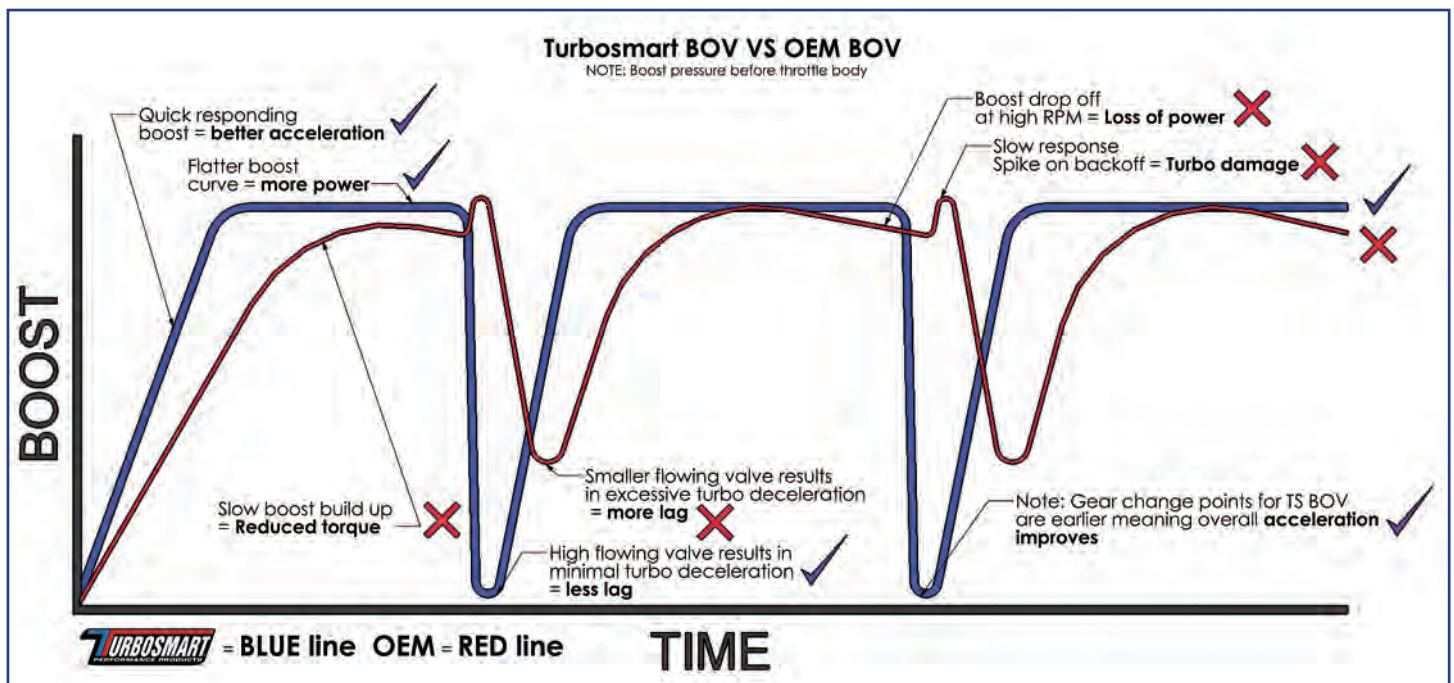


Which Blow-Off Valve is Right for my Application?

Several factors need to be considered when choosing the correct blow-off valve, including the performance requirements, and desired power level.

As a rule of thumb, big power needs a big blow-off valve to move more air, whereas lower power needs a smaller blow-off valve for precise control.

If you like things loud, choose a vent-to-atmosphere blow-off valve, or if you prefer to keep it stealthy, a plumb back blow-off valve will be much quieter, and just as effective.





Type 5

The Type 5 line up is Turbosmart's most popular range. The Type 5 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 fitting, or back the other way. Likewise inlet flanges, hose fittings and vee-band fittings, are all interchangeable
- **Precision machining and assembly** – the piston and valve body are measured to mere fractions of a millimeter, and perfectly matched to fit each other exactly. Because of this precision, an o-ring is not needed to create a seal
- A range of vehicle specific applications including WRX, STI, EVO, GT-R, MPS (MazdaSpeed3), and more

The Type 5 is available in three different styles:

- Supersonic – Full time vent-to-atmosphere
- Plumb Back – Full time recirculating
- Dual Port – Half vent-to-atmosphere, half recirculating, offers multiple easy to change configurations. The best of both worlds!



Type 5 Universal Part Numbers

TS-0205-1300	Supersonic Universal - blue
TS-0205-1301	Supersonic Universal - black
TS-0205-1309	Supersonic Mazda/Subaru - blue
TS-0205-1310	Supersonic Mazda/Subaru - black
TS-0205-1315	Supersonic Subaru - blue
TS-0205-1316	Supersonic Subaru - black
TS-0205-1009	Dual Port Mazda/Subaru - blue
TS-0205-1010	Dual Port Mazda/Subaru - black
TS-0205-1015	Dual Port Subaru - blue
TS-0205-1016	Dual Port Subaru - black
TS-0205-1020	Dual Port Mitsubishi - red
TS-0205-1021	Dual Port Mitsubishi - black
TS-0205-1026	Dual Port Nissan - black
TS-0205-1027	Dual Port Nissan GTR Kit - black
TS-0205-1061	Dual Port Universal 32mm - blue
TS-0205-1062	Dual Port Universal 32mm - black
TS-0205-1071	Dual Port Universal 38mm - blue
TS-0205-1072	Dual Port Universal 38mm - black
TS-0205-1022	Dual Port Mitsubishi Evo X - red
TS-0205-1023	Dual Port Mitsubishi Evo X - black
TS-0205-1261	Plumb Back Universal 32mm - blue
TS-0205-1262	Plumb Back Universal 32mm - black
TS-0205-1271	Plumb Back Universal 38mm - blue
TS-0205-1272	Plumb Back Universal 38mm - black
TS-0205-1215	Plumb Back Subaru - blue
TS-0205-1216	Plumb Back Subaru - black

*See page 12 for model specific BOV fitting guide

Type 5 Parts and Accessories

TS-0205-3101	Dual Port/Supersonic spring - yellow
TS-0205-3102	Plumb Back/Supercharger spring - red
TS-0205-2002	38mm alloy profiled adapter
TS-0205-2003	38mm stainless steel profiled adapter
TS-0205-2005	38mm alloy weld flange
TS-0205-2006	19mm hose adapter
TS-0205-2007	25mm hose adapter
TS-0205-2008	32mm hose adapter
TS-0205-2009	34mm hose adapter
TS-0205-2010	Vee-band to 38mm adapter
TS-0205-2011	Vee-band blanking plate
TS-0205-2012	9mm hose blanking plug
TS-0205-2013	25mm hose blanking plug
TS-0205-2014	29mm hose blanking plug
TS-0205-2015	32mm hose blanking plug
TS-0205-2016	34mm hose blanking plug
TS-0205-2017	38mm hose blanking plug
TS-0205-2018	38mm hose adapter
TS-0205-3008	38mm raw weld on adapter/hose adapter alloy
TS-0205-3009	Vee-bandclamp assembly
TS-0205-3010	O-ring kit
TS-0205-3011	Uniglide lubricant 50ml
TS-0205-3103	Port blanking plug
TS-0205-3104	60mm replacement trumpet
TS-0205-3105	50mm replacement trumpet
TS-0205-3107	Mazda/Subaru flange gasket
TS-0205-3108	Subaru flange gasket
TS-0205-3109	Nissan flange gasket
TS-0205-3200	25mm Plumb Back fitting
TS-0205-3201	29mm Plumb Back fitting
TS-0205-3202	32mm Plumb Back fitting
TS-0205-3203	34mm Plumb Back fitting
TS-0205-3204	38mm Plumb Back fitting
TS-0205-3205	Greddy adapter gasket

Type 5 Spring Chart - Refer to this chart for custom spring applications

Spring Color	White	Red	Yellow
Part Number	TS-0205-3106	TS-0205-3102	TS-0205-3101
Free Length	108mm	135mm	160mm
Outside Diameter	30mm	29mm	30mm
Manifold Vacuum (Max)	-14 InHg	-17 InHg	-22 InHg
Manifold Vacuum (Min)	-11 InHg	-14 InHg	-20 InHg

BOVs Universal



Vee-Port PRO

The Vee-Port PRO is an awesome 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 aluminum piston for lightness
- Very high flow ability
- Precision machining and assembly – the piston and valve body are measured to mere fractions of a millimeter, and perfectly matched to fit each other exactly. Because of this precision, an o-ring is not needed to create a seal
- A range of vehicle specific applications including WRX, EVO, GTR, Juke, MPS



Vee-Port PRO Universal Part Numbers

TS-0205-1130	Vee Port PRO Universal - blue
TS-0205-1131	Vee Port PRO Universal - black
TS-0205-1135	Vee Port PRO Subaru - blue
TS-0205-1136	Vee Port PRO Subaru - black
TS-0205-1140	BOV Vee Port PRO Nissan Juke/Pulsar - blue
TS-0205-1141	BOV Vee Port PRO Nissan Juke/Pulsar - black

Vee-Port PRO Spares and Accessories

TS-0205-3101	Supercharger spring - yellow
TS-0205-3106	White spring
TS-0205-3110	Grey spring
TS-0205-3011	Uniglode lubricant 50ml
TS-0205-2002	38mm alloy profiled adapter
TS-0205-2003	38mm stainless steel profiled adapter
TS-0205-2005	38mm alloy weld flange
TS-0205-2010	Vee-band to 38mm adapter
TS-0205-2011	Vee-band blanking plate
TS-0205-3008	38mm raw weld on adapter/hose adapter alloy
TS-0205-3009	Vee-band clamp assembly

Vee-Port Pro Spring Chart - Refer to this chart for custom spring applications

Spring Color	Grey	White
Part Number	TS-0205-3110	TS-0205-3106
Free Length	81mm	108mm
Outside Diameter	29mm	30mm
Manifold Vacuum (Max)	-7 InHg	-21 InHg
Manifold Vacuum (Min)	-6 InHg	-19 InHg



Race Port

The Race Port is a true high performance and motorsport oriented BOV. It is perfect for the tough conditions of track use, and absolutely untouchable in a street application.

This full-time vent-to-atmosphere blow-off valve:

- Is extremely high flowing for its size
- Is the lightest and smallest valve of its type on the market
- Has a large variety of springs available for custom applications
- Is suitable for high horsepower engines



Race Port Universal Part Numbers

TS-0204-1101	Race Port - Blue
TS-0204-1102	Race Port - Black

Race Port Spares and Accessories

TS-0204-2104	Race Port spring kit
TS-0204-2105	Race Port 8inHg spring - orange
TS-0204-3102	Race Port 18inHg spring - blue
TS-0204-3105	Race Port 15inHg spring - green
TS-0204-2001	Race Port stainless steel weld flange
TS-0204-2005	Race Port to 38mm adapter
TS-0204-2006	Race Port flange blank
TS-0204-3001	Race Port alloy weld flange
TS-0204-3004	Race Port vee-band
TS-0204-3005	Race Port flange o-ring
TS-0204-3103	Race Port diaphragm assembly
TS-0204-3106	Race Port/Bubba o-ring kit
TS-0204-2004	OLD Race Port spring kit
TS-0204-3002	OLD Race Port 15inHg spring
TS-0204-3003	OLD Race Port diaphragm assembly

Race Port Spring Chart - Refer to this chart for custom spring applications

Spring Color:	Pink	Purple	Blue
Part Number:	TS-0204-2104 (Spring kit)	TS-0204-2104 (Spring kit)	TS-0204-3102 (Included in valve)
Vacuum Pressure	4InHg	10InHg	18InHg
Manifold Vacuum			
0 - 4 InHg	■		
4 - 10 InHg		■	
10 - 14 InHg	■	■	
14 - 18 InHg			■
18 - 22 InHg	■		■



Big Bubba

Sometimes bigger is just better. Designed for twin-turbo and supercharged V8s, and large capacity modified turbo-diesel engines, the Big Bubba is our largest and scariest blow-off valve.

Big Bubba features:

- Precision machining and assembly – the piston and valve body are measured to mere fractions of a millimeter, and perfectly matched to fit each other exactly. Because of this precision, an o-ring is not needed to create an effective seal
- Huge 50.8mm/2" inlet and outlet
- Hard anodised aluminum piston for light weight
- Strong V-band mounting system interchangeable with the Race Port

Big Bubba is available in two different styles:

- Bubba Sonic – Full time vent-to-atmosphere
- Big Bubba – Full time recirculating



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 - blue/silver
TS-0204-1303	Bubba Sonic BOV - sleeper (black/black)

Big Bubba Spares and Accessories

TS-0204-2201	Bubba 7inHg spring
TS-0204-2202	Bubba 12inHg spring
TS-0204-2203	Bubba 17inHg spring
TS-0204-2204	Bubba 21inHg spring
TS-0205-3011	Uniglide lubricant 50ml
TS-0204-2205	Bubba 2.0" inlet hose adapter
TS-0204-3201	Bubba 2.0" plumb back fitting - silver
TS-0204-3206	Bubba 2.0" plumb back fitting - black
TS-0204-3202	Bubba 4.0" trumpet - Silver
TS-0204-3207	Bubba 4.0" trumpet - Black
TS-0204-3106	Race Port/Bubba o-ring Kit

Big Bubba Spring Chart - Refer to this chart for custom spring applications

Spring Colour:	Purple/Blue	Purple/Green	Purple/Yellow	Purple/Red
Part Number:	TS-0204-2201	TS-0204-2202	TS-0204-2203	TS-0204-2204
	(Sold Separately)	(Big Bubba BPV)	(Bubba Sonic)	(Sold Separately)
Manifold Vacuum				
0 - 7 InHg	■			
8 - 12 InHg		■		
13 - 17 InHg			■	
18 - 21 InHg				■





Kompact

Turbosmart's billet construction Kompact range has been designed as a bullet-proof replacement for OEM parts. Our focus on quality design gives the Kompact range a performance edge in boost handling capabilities. They will not leak or burst under pressure.

The Kompact range features:

- A "stealthy" black finish, to blend in with any engine bay
- A range of inlet options including hose fittings, two bolt flange, and the new three bolt-flange for turbo compressor cover fitment
- A range of vehicle specific applications including VAG, EcoBoost, Borg Warner, Subaru, BMW, Nissan

Kompact blow-off valves are available in two different styles:

- Plumb Back – Full time recirculating
- Dual Port – Half vent-to-atmosphere, half recirculating. The best of both worlds!

Kompact Part Numbers

TS-0203-1061	Kompact Shortie - Dual Port
TS-0203-1261	Kompact Shortie - Plumb Back
TS-0203-1041	Kompact VAG 2.0T V2 - Dual Port
TS-0203-1241	Kompact VAG 2.0T V2 - Plumb Back
TS-0203-1021	Kompact Dual Port - 20mm
TS-0203-1022	Kompact Dual Port - 25mm
TS-0203-1023	Kompact Dual Port - 34mm
TS-0203-1221	Kompact Plumb Back - 20mm
TS-0203-1222	Kompact Plumb Back - 25mm
TS-0203-1223	Kompact Plumb Back - 34mm
TS-0203-1209	Kompact Plumb Back - Mazdaspeed
TS-0203-1210	Kompact Plumb Back - Subaru WRX MY08
TS-0203-1215	Kompact Plumb Back - Subaru
TS-0203-1226	Kompact Plumb Back - Nissan
TS-0203-1227	Kompact Plumb Back - Nissan Juke/Pulsar
TS-0203-1050	Kompact Dual Port kit - BMW
TS-0203-1250	Kompact Plumb Back kit - BMW



Kompact Spares and Accessories

TS-0203-3001	Kompact soft spring - blue
TS-0203-3002	Kompact Dual Port spring - pink
TS-0203-3003	Kompact Plumb Back spring - green
TS-0203-3004	Kompact replacement trumpet
TS-0203-3005	Kompact 20mm inlet fitting
TS-0203-3006	Kompact 25mm inlet fitting
TS-0203-3007	Kompact 34mm inlet fitting
TS-0203-3008	Kompact 20mm plumb back fitting
TS-0203-3009	Kompact 25mm plumb back fitting
TS-0203-3010	Kompact 34mm plumb back fitting
TS-0203-3011	Kompact port blanking plug
TS-0203-3012	Kompact VAG/BW/KKK/EcoBoost base o-ring kit
TS-0205-3011	Uniglidge lubricant 50ml
TS-0203-2002	Kompact Shortie block off plate
TS-0203-3014	Kompact o-ring kit

Kompact Spring Chart - Refer to this chart for custom spring applications

Spring Color	Blue	Green	Pink
Part Number	TS-0203-3001	TS-0203-3003	TS-0203-3002
Free Length	55mm	64mm	72mm
Outside Diameter	23mm	23mm	23mm
Manifold Vacuum - Dual Port (Max)	-13inHg	-19inHg	-24inHg
Manifold Vacuum - Dual Port (Min)	-3inHg	-9inHg	-14inHg
Manifold Vacuum - Plumb Back	-9inHg	-15inHg	-20inHg

BOV FITTING GUIDE

BOV VEHICLE SPECIFIC FITTING GUIDE ■ = Black ■ = Blue ■ = Red

Make	Model	Series	Vee Port Pro	Super Sonic	Dual Port	Plumb Back	Kompact Dual Port	Kompact Plumb Back	Notes/Required Adapter
Audi	A3	1.8T	*TS-0205-1130 ■				TS-0203-1022 ■	TS-0203-1222 ■	*TS-0205-2007 (25mm)
Audi	A4	1.8T	*TS-0205-1130 ■				TS-0203-1022 ■	TS-0203-1222 ■	*TS-0205-2007 (25mm)
Audi	A6	1.8T	*TS-0205-1130 ■				TS-0203-1022 ■	TS-0203-1222 ■	*TS-0205-2007 (25mm)
Audi	S3	1.8T	*TS-0205-1130 ■				TS-0203-1022 ■	TS-0203-1222 ■	*TS-0205-2007 (25mm)
Audi	S3	8P			TS-0215-1041 ■		TS-0203-1041 ■	TS-0203-1241 ■	*TS-0205-2007 (25mm)
Audi	TT	1.8T	*TS-0205-1130 ■				TS-0203-1022 ■	TS-0203-1222 ■	*TS-0205-2007 (25mm)
Bentley	Continental	GT					TS-0203-1022 ■	TS-0203-1222 ■	
BMW	135i	N54					TS-0203-1050 ■	TS-0203-1250 ■	
BMW	335i	N54					TS-0203-1050 ■	TS-0203-1250 ■	
BMW	535i	N54					TS-0203-1050 ■	TS-0203-1250 ■	
BMW	Z4	N54					*TS-0203-1050 ■	*TS-0203-1250 ■	*TS-0203-2001
Citroen	XM	2.0L					TS-0203-1022 ■	TS-0203-1222 ■	
Fiat	Coupe 16	20V					TS-0203-1022 ■	TS-0203-1222 ■	
Fiat	Punto	GT					TS-0203-1022 ■	TS-0203-1222 ■	
Fiat	Uno	MK2					TS-0203-1022 ■	TS-0203-1222 ■	
Fiat	Uno	MK1					TS-0203-1022 ■	TS-0203-1222 ■	
Ford	F150	2011 - 2012 EcoBoost					TS-0203-1061 ■	TS-0203-1261 ■	
Ford	Focus	XR5RS 2.5 5yl					TS-0203-1061 ■	TS-0203-1261 ■	
Ford	Focus	MK2 ST 2.0 EcoBoost					TS-0203-1061 ■	TS-0203-1261 ■	
Ford	Focus	RS					TS-0203-1061 ■	TS-0203-1261 ■	
Ford	Fusion	2.0 EcoBoost					TS-0203-1061 ■	TS-0203-1261 ■	
Ford	Mondeo	EcoBoost					TS-0203-1022 ■	TS-0203-1222 ■	
Ford	XR6	BA-BF					TS-0203-1061 ■	TS-0203-1261 ■	
Lancia	Delta	1.6L HF					TS-0203-1022 ■	TS-0203-1222 ■	
Lancia	Delta	2.0L Integrate 8 16V					TS-0203-1022 ■	TS-0203-1222 ■	
Mazda	323	Familia 2WD & 4WD					TS-0203-1021 ■	TS-0203-1221 ■	
Mazda	CX7	2.3 Turbo			TS-0205-1009 ■		TS-0203-1209 ■	TS-0203-1209 ■	
Mazda	MPS 3	BK series			TS-0205-1010 ■		TS-0203-1209 ■	TS-0203-1209 ■	
Mazda	MPS 3	BL series			TS-0205-1010 ■		TS-0203-1209 ■	TS-0203-1209 ■	*Requires aftermarket airbox for Dual Port Fitment
Mazda	MPS 6				*TS-0205-1010 ■		TS-0203-1209 ■	TS-0203-1209 ■	*Requires aftermarket airbox for Dual Port Fitment
Mitsubishi	3000GT/GTO				TS-0205-1010 ■		TS-0203-1023 ■	TS-0203-1223 ■	
Mitsubishi	Coll	Ralliart			TS-0205-1020 ■		TS-0203-1023 ■	TS-0203-1223 ■	
Mitsubishi	Evo	1-9			TS-0205-1021 ■		TS-0203-1023 ■	TS-0203-1223 ■	
Mitsubishi	Evo	10			TS-0205-1021 ■		TS-0203-1023 ■	TS-0203-1223 ■	
Nissan	GT-R	R35			TS-0205-1022 ■		TS-0203-1023 ■	TS-0203-1223 ■	
Nissan	Juke	MR16DET	TS-0205-1140 ■		TS-0205-1027 ■			TS-0203-1227 ■	
Nissan	Pulsar	MR16DET	TS-0205-1141 ■					TS-0203-1227 ■	
Nissan	Skyline	R32 GT-R			TS-0205-1027 ■				
Nissan	Skyline	R32 GTS-T			*TS-0205-1300 ■				*Requires R32 Skyline adapter TS-0205-2052
Nissan	Skyline	R33 GT-R			*TS-0205-1301 ■				*Requires R32 Skyline adapter TS-0205-2052

Nissan	Skyline	R33 GTS-T	TS-0205-1140 ■	TS-0205-1026 ■	TS-0203-1226 ■	
			TS-0205-1141 ■			
Nissan	Skyline	R34 GT-R	TS-0205-1140 ■	TS-0205-1027 ■	TS-0203-1226 ■	
Nissan	Skyline	R34 GT-T	TS-0205-1141 ■	TS-0205-1026 ■		
Nissan	Stagea	RB25DET	TS-0205-1140 ■	TS-0205-1026 ■	TS-0203-1226 ■	
			TS-0205-1141 ■			
Nissan	Stagea	RB26DET		TS-0205-1027 ■		
Nissan	Stagea	VQ25DET	*TS-0205-1130 ■		TS-0203-1226 ■	*Requires Nissan adapter TS-0205-2057
			*TS-0205-1131 ■			*Requires Nissan adapter TS-0205-2057
Peugeot	406	SRI		TS-0203-1022 ■	TS-0203-1222 ■	
Peugeot	605	SRI		TS-0203-1022 ■	TS-0203-1222 ■	
Porsche	911	964		TS-0203-1022 ■	TS-0203-1222 ■	
Porsche	911	Turbo 997		TS-0203-1061 ■	TS-0203-1261 ■	Requires 2 valves
Porsche	911	Turbo 997 G12		TS-0203-1061 ■	TS-0203-1261 ■	Requires 2 valves
Porsche	911	Turbo 996		TS-0203-1022 ■	TS-0203-1222 ■	
Porsche	944	Turbo		TS-0203-1022 ■	TS-0203-1222 ■	
Porsche	Cayenne	Turbo		TS-0203-1022 ■	TS-0203-1222 ■	Requires 2 valves
Saab	93	Turbo		TS-0203-1022 ■	TS-0203-1222 ■	
Saab	95	Turbo		TS-0203-1022 ■	TS-0203-1222 ■	
Saab	900	Turbo		TS-0203-1022 ■	TS-0203-1222 ■	
Saab	9000	Turbo		TS-0203-1022 ■	TS-0203-1222 ■	
Seat	Leon	Cupra 1.8T		TS-0203-1022 ■	TS-0203-1222 ■	
Skoda	Octavia	1.8T		TS-0203-1022 ■	TS-0203-1222 ■	
Subaru	Forester GT	1998 - 2000	*TS-0205-1130 ■	*TS-0205-1300 ■		*Requires adapter TS-0205-2051
			*TS-0205-1131 ■	*TS-0205-1301 ■		*Requires adapter TS-0205-2051
Subaru	Forester GT	2001 - 2002	*TS-0205-1130 ■	*TS-0205-1300 ■		*Requires adapter TS-0205-2053
			*TS-0205-1131 ■	*TS-0205-1301 ■		*Requires adapter TS-0205-2053
Subaru	Forester XT	2003 - 2004	*TS-0205-1130 ■	*TS-0205-1300 ■		*Requires adapter TS-0205-2054
			*TS-0205-1131 ■	*TS-0205-1301 ■		*Requires adapter TS-0205-2054
Subaru	Forester XT	2005 - 2007	TS-0205-1135 ■	TS-0205-1315 ■	TS-0203-1215 ■	
			TS-0205-1136 ■	TS-0205-1316 ■		
Subaru	Forester XT	2008 - Current		TS-0205-1016 ■	TS-0203-1210 ■	
				TS-0205-1009 ■		
				TS-0205-1010 ■		
Subaru	Impreza WRX/STi	1997 - 1998	*TS-0205-1130 ■	*TS-0205-1300 ■		*Requires adapter TS-0205-2051
			*TS-0205-1131 ■	*TS-0205-1301 ■		*Requires adapter TS-0205-2051
Subaru	Impreza WRX/STi	1999 - 2000	*TS-0205-1130 ■	*TS-0205-1300 ■		*Requires adapter TS-0205-2051
			*TS-0205-1131 ■	*TS-0205-1301 ■		*Requires adapter TS-0205-2051
Subaru	Impreza WRX	2001 - 2007	TS-0205-1135 ■	TS-0205-1315 ■	TS-0203-1215 ■	
			TS-0205-1136 ■	TS-0205-1316 ■		
Subaru	Impreza WRX	2008 - 2014		TS-0205-1009 ■	TS-0203-1210 ■	
				TS-0205-1010 ■		
Subaru	Impreza WRX	2015 - Current		TS-0215-1018 ■		
Subaru	Impreza WRX Sti	2001 - Current	TS-0205-1315 ■	TS-0205-1015 ■	TS-0203-1215 ■	
			TS-0205-1316 ■	TS-0205-1016 ■		
Subaru	Liberty/Legacy GT	2003 - 2008		TS-0205-1009 ■	TS-0203-1210 ■	
				TS-0205-1010 ■		
Subaru	Liberty/Legacy GT	2009 - Current				
Volvo	440			TS-0203-1023 ■	TS-0203-1223 ■	
				TS-0203-1022 ■	TS-0203-1222 ■	
Volvo	480			TS-0203-1022 ■	TS-0203-1222 ■	
Volvo	740			TS-0203-1022 ■	TS-0203-1222 ■	
VW	Golf Gti 2.0L	2003 - 2013		TS-0203-1041 ■	TS-0203-1241 ■	
VW	Golf R (Mk 6)	2009 - 2013		TS-0203-1041 ■	TS-0203-1241 ■	
VW	Golf	1.8T		TS-0203-1022 ■	TS-0203-1222 ■	
VW	Jetta	1.8T		TS-0203-1022 ■	TS-0203-1222 ■	
VW	Passat	1.8T		TS-0203-1022 ■	TS-0203-1222 ■	
VW	Polo	Gti 1.8T		TS-0203-1022 ■	TS-0203-1222 ■	
VW	Beetle	1.8T		TS-0203-1022 ■	TS-0203-1222 ■	

External Wastegates



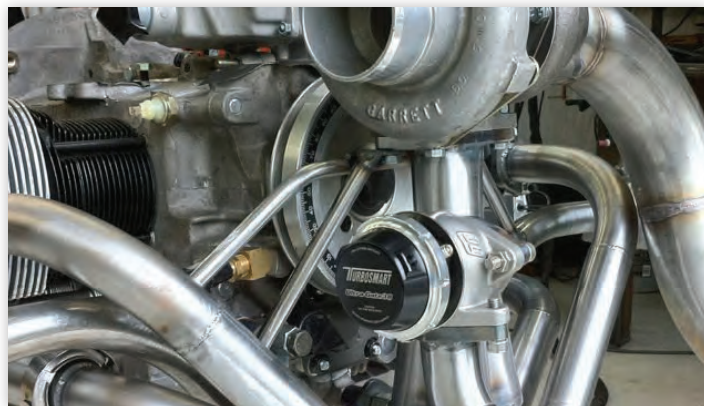
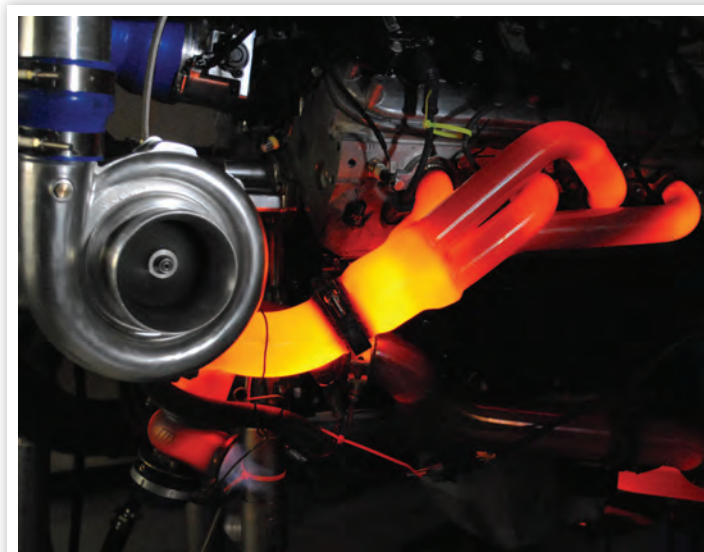
What is an External Wastegate?

An external wastegate controls boost by bleeding off exhaust gas before it gets to the turbine or rear housing of the turbocharger.

Turbosmart has the largest wastegate range available on the market.

All Turbosmart external wastegates feature:

- Advanced flow technology, making our wastegate range high flowing to suit all applications
- Unrivalled heat handling capacity. The bodies of our wastegate range can handle a continuous 900 degrees C (F = 1650) while the actuator housing can handle up to 260 degrees C (F=500) for brief periods of time
- A solid, one-piece coated valve
- Ease of install – no water lines to be plumbed in
- Advanced silicone Nomex diaphragm



Which Wastegate is Right for my Application?

Wastegate choice is dependent on how much, and how quickly exhaust needs to be flowed away to adequately control boost pressure. While being careful not to flow too much away, and cause lag.

To determine the correct size of a wastegate you must first look at engine size and target power. This will give you the mass airflow require to produce that power - from that a turbocharger is chosen. Once you know how much mass flow the engine puts out and how much mass flow the turbine requires, you'll then be able to determine how much mass flow the wastegate needs to bypass to keep the turbine running in its optimum range.

As you can see, this throws up an infinite number of variables related to wastegate sizing.

All applications differ slightly, so it is best to speak with an experienced engine builder or tuner for advice on what's been tried and tested.

If you are tossing up between two wastegate sizes, it's always better to go larger as this gives you more ability to control boost with future modifications and it will give the wastegate better heat handling capabilities.





External Wastegates

Ultra-Gate38

The smallest wastegate in the Turbosmart line up, the Ultra-Gate38 includes high-end features and build quality at an entry-level price. The Ultra-Gate38 features:

- 38mm valve size
- Popular 2-bolt flange fitting to suit 1.50" OD pipe
- Locking collar for compact size and easy spring changes
- Available in HP (high pressure) configuration

Supplied with: Valve seat, gaskets, 2 x 1/16 NPT vacuum fittings, blanking plugs, and collar tool



ULTRA-GATE38 Part Numbers

TS-0501-1101	Ultra-Gate38 7PSI - blue
TS-0501-1102	Ultra-Gate38 7PSI - black
TS-0501-1140	Ultra-Gate38 14PSI - blue
TS-0501-1141	Ultra-Gate38 14PSI - black

ULTRA-GATE38 Spares and Accessories

TS-0501-2001	WG38 stainless steel weld flanges
TS-0501-2002	WG38 mild steel weld flanges
TS-0501-3002	WG38 stainless steel manifold gasket (2-Pack)
TS-0501-3103	WG38 valve seat
TS-0505-2007	1/16 NPT male - 1/8 NPT female fittings
TS-0505-2008	1/16 NPT male - -3AN flare fittings
TS-0505-2009	1/16 NPT male - -4AN flare fittings
TS-0505-3006	WG38/40/45 diaphragm assembly
TS-0505-3007	WG38/40/45 74mm locking collar
TS-0505-3008	WG38/40/45 74mm collar tool
TS-0505-3009	WG38/40/45 1/16 NPT vacuum fittings & blanks

WG38/40/45 Spring Chart - Refer to this chart for custom spring applications

Spring Color			Brown/Black	Brown/Grey	Brown/Purple	Brown/Red	Brown/Blue	Brown/Pink
Part Number			TS-0505-2001	TS-0505-2002	TS-0505-2003	TS-0505-2004	TS-0505-2005	TS-0505-2006
Free Length			32mm	36mm	43mm	52mm	68mm	60mm
Outside Diameter			29mm	29mm	36.5mm	36.5mm	44mm	44mm
Spring Pressure			3PSI	5PSI	7PSI	11PSI	10PSI	7PSI
Spring Location			Inner	Inner	Middle	Middle	Outer	Outer
Desired Boost Pressure								
PSI	BAR	Kpa						
3	0.207	20.68	■					
5	0.345	34.47		■				
7	0.483	48.26			■			
10	0.69	68.95					■	
11	0.76	75.84				■		
12	0.827	82.74		■	■			
13	0.89	89.6	■				■	
14	0.965	96.53			■			■
15	1.03	103.4		■			■	
16	1.1	110		■		■		
17	1.172	117.2			■		■	
18	1.241	124.1				■		■
19	1.31	131		■	■			■
20	1.38	138	■		■		■	
21	1.45	145				■	■	
22	1.517	151.7		■	■		■	
23	1.59	159		■		■		■
24	1.655	165.5	■			■	■	
26	1.793	179.3		■		■	■	

External Wastegates



Comp-Gate40

The Comp-Gate40 gives you maximum performance in minimal space. The Comp-Gate40 features:

- 40mm valve size
- Vee-band clamp mounting system to suit 1.75" OD pipe
- Locking collar for compact size and easy spring changes
- Available in HP (high pressure) configuration

Supplied with: Inlet and outlet weld flanges, vee-band clamps, valve seat, 2 x 1/16 NPT vacuum fittings, blanking plugs, and collar tool

COMP-GATE40 Spares and Accessories

TS-0505-3001	WG40 inlet weld flange
TS-0505-3002	WG40 outlet weld flange
TS-0505-3003	WG40 valve seat
TS-0505-3004	WG40 inlet vee-band
TS-0505-3005	WG40 outlet vee-band
TS-0505-2007	1/16 NPT male - 1/8 NPT female fittings
TS-0505-2008	1/16 NPT male - -3AN flare fittings
TS-0505-2009	1/16 NPT male - -4AN flare fittings
TS-0505-3006	WG38/40/45 diaphragm assembly
TS-0505-3007	WG38/40/45 74mm locking collar
TS-0505-3008	WG38/40/45 74mm collar tool
TS-0505-3009	WG38/40/45 1/16 NPT vacuum fittings & blanks

Hyper-Gate45

The Hyper-Gate45 offers class-leading flow path and temperature resistance in a compact and lightweight package. The Hyper-Gate45 features:

- 45mm valve size
- Vee-band clamp mounting system to suit 1.75" OD pipe
- Locking collar for compact size and easy spring changes
- Available in HP (high pressure) configuration

Supplied with: Inlet and outlet weld flanges, vee-band clamps, valve seat, 2 x 1/16 NPT vacuum fittings, blanking plugs, and collar tool

HYPHER-GATE45 Spares and Accessories

TS-0504-3001	WG45 inlet weld flange
TS-0504-3002	WG45 outlet weld flange
TS-0504-3003	WG45 valve seat
TS-0504-3004	WG45 inlet vee-band
TS-0504-3005	WG45 outlet vee-band
TS-0505-2007	1/16 NPT male - 1/8 NPT female fittings
TS-0505-2008	1/16 NPT male - -3AN flare fittings
TS-0505-2009	1/16 NPT male - -4AN flare fittings
TS-0505-3006	WG38/40/45 diaphragm assembly
TS-0505-3007	WG38/40/45 74mm locking collar
TS-0505-3008	WG38/40/45 74mm collar tool
TS-0505-3009	WG38/40/45 1/16 NPT vacuum fittings & blanks

COMP-GATE40 Part Numbers

TS-0505-1005	Comp-Gate40 7PSI - blue
TS-0505-1006	Comp-Gate40 7PSI - black
TS-0505-1009	Comp-Gate40 14PSI - blue
TS-0505-1010	Comp-Gate40 14PSI - black



HYPHER-GATE45 Part Numbers

TS-0506-1001	Hyper-Gate45 7PSI - blue
TS-0506-1002	Hyper-Gate45 7PSI - black
TS-0506-1040	Hyper-Gate45 14PSI - blue
TS-0506-1041	Hyper-Gate45 14PSI - black





External Wastegates

Pro-Gate50

A compact body, superior flow path and high temperature resistance makes the Pro-Gate50 a market leader in its sector. Suitable for high performance turbocharged engines with an external wastegate turbocharger system, the Pro-Gate50 features:

- 50mm valve size
- Vee-band clamp mounting system to suit 2" OD pipe

The Pro-Gate50 is supplied with:

Inlet and outlet weld flanges, vee-band clamps, valve seat, and 2 x 1/8 NPT vacuum fittings

PRO-GATE50 Part Numbers

TS-0502-1001	Pro-Gate50 7PSI - blue
TS-0502-1002	Pro-Gate50 7PSI - black
TS-0502-1040	Pro-Gate50 14PSI - blue
TS-0502-1041	Pro-Gate50 14PSI - black



Power-Gate60

The largest wastegate in our range, the Power-Gate60 outperforms all similarly sized wastegates. Suitable for high performance turbocharged engines with an external wastegate turbocharger system, the Pro-Gate50 features:

- 60mm valve size
- Vee-band clamp mounting system to suit 2.5" OD pipe

The Power-Gate60 is supplied with:

Inlet and outlet weld flanges, vee-band clamps, valve seat, and 2 x 1/8 NPT vacuum fittings

POWER-GATE60 Part Numbers

TS-0503-1001	Power-Gate60 7PSI - blue
TS-0503-1002	Power-Gate60 7PSI - black
TS-0503-1040	Power-Gate60 14PSI - blue
TS-0503-1041	Power-Gate60 14PSI - black



PRO-GATE50 and POWER-GATE60 Spares and Accessories

TS-0502-3001	WG50 inlet weld flange
TS-0502-3002	WG50 outlet weld flange
TS-0502-3003	WG50 valve seat
TS-0502-3004	WG50 inlet vee-band
TS-0502-3005	WG50 outlet vee-band
TS-0501-3004	WG50/WG60 valve guide o-ring
TS-0501-3001	WG50/WG60 diaphragm replacement
TS-0503-3001	WG60 inlet weld flange
TS-0503-3002	WG60 outlet weld flange
TS-0503-3003	WG60 valve seat
TS-0503-3004	WG60 inlet vee-band
TS-0503-3005	WG60 outlet vee-band



External Wastegates



HP Wastegates

The world's highest pressure external wastegates – Turbosmart's HP wastegate range retains the compactness of and lightness Turbosmart wastegates are known for, with the added bonus of being capable of handling high boost pressures.

The HP wastegates are:

- Available in 38mm, 40mm, and 45mm sizes
- 35PSI standard, 40PSI optional
- Only 28mm taller than standard wastegates
- Ideal for turbo diesel and drag racing

TS-0501-1201	Ultra-Gate38 HP 35PSI - blue
TS-0501-1202	Ultra-Gate38 HP - 35PSI - black
TS-0505-1201	Comp-Gate40 HP 35PSI - blue
TS-0505-1202	Comp-Gate40 HP 35PSI - black
TS-0506-1201	Hyper-Gate45 HP 35PSI - blue
TS-0506-1202	Hyper-Gate45 HP 35PSI - black
TS-0505-2010	38mm, 40mm, 45mm HP 35PSI Conversion kit - blue
TS-0505-2011	38mm, 40mm, 45mm HP 35PSI Conversion kit - black



Sensor Caps

With the Turbosmart wastegate sensor cap you can "see" into the wastegate. 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 log data to see how much wastegate valve lift you have through the rev range, and how that corresponds to boost levels. No uncertainty, just hard data.

The Turbosmart Wastegate Sensor Cap:

- Is the first of its kind on the market
- 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 (MoTec, RacePak, AIM, etc)
- Utilises a simple 0-5 volt sensor found in many auto parts stores (or available directly from Turbosmart)
- Is an off the shelf item, available for all current Turbosmart wastegate sizes: 38mm, 40mm, 45mm, 50mm, and 60mm

TS-0502-3010	WG50/60 Sensor Cap - blue
TS-0502-3011	WG50/60 Sensor Cap - black
TS-0505-3014	WG38/40/45 Sensor Cap - blue
TS-0505-3015	WG38/40/45 Sensor Cap - black
TS-0502-2008	Sensor
TS-0502-2009	Sensor plug





External Wastegates

WG50/60 Spring Chart - Refer to this chart for custom spring applications

Spring Color			Black/Pink	Black/Grey	Black/White	Black/Blue	Black/Yellow	Black/Purple	Black/Red
Part Number			TS-0502-2007	TS-0502-2001	TS-0502-2002	TS-0502-2004	TS-0502-2005	TS-0502-2003	TS-0502-2006
Free Length			62mm	75mm	93mm	90mm	113mm	85mm	121mm
Outside Diameter			36.5mm	36.5mm	36.5mm	49mm	49mm	59mm	59mm
Spring Location			Inner	Inner	Inner	Middle	Middle	Outer	Outer
Spring Pressure			3PSI	5PSI	7PSI	10PSI	14PSI	7PSI	12PSI
Desired Boost Pressure									
PSI	BAR	KPa							
3	0.207	20.68	■						
5	0.345	34.47		■					
7	0.483	48.26			■				
10	0.69	68.95				■			
12	0.827	82.74							■
13	0.89	89.6	■			■			
14	0.965	96.53					■		
15	1.03	103.4		■		■			
17	1.172	117.2		■					■
19	1.31	131		■			■		
20	1.38	138	■			■		■	
21	1.488	144.8					■	■	
22	1.517	151.7				■			■
24	1.655	165.5	■				■	■	
25	1.72	172.37	■			■			■
26	1.793	179.3		■			■	■	
28	1.931	193.1			■		■	■	
29	1.999	199.9			■	■			■
31	2.137	213.7		■			■		■
33	2.275	227.5			■		■		■

HPWG Spring Chart - Refer to this chart for custom spring applications

Spring Color			Brown/Orange	Brown/Green	Brown/Red
Part Number			TS-0505-2012	TS-0505-2013	TS-0505-2014
Free Length			82mm	135mm	130mm
Outside Diameter			30mm	44mm	41mm
Spring Location			Inner	Outer	Outer
Spring Pressure			10PSI	25PSI	30PSI
Desired Boost Pressure					
PSI	BAR	KPa			
10	0.69	68.95		■	
25	1.72	172		■	
30	2.07	207			■
35	2.4	241	■	■	
40	2.76	276	■		■

INTERNAL WASTEGATES



What is an internal wastegate actuator?

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 hold on longer.

The Turbosmart IWG-75 actuator range features:

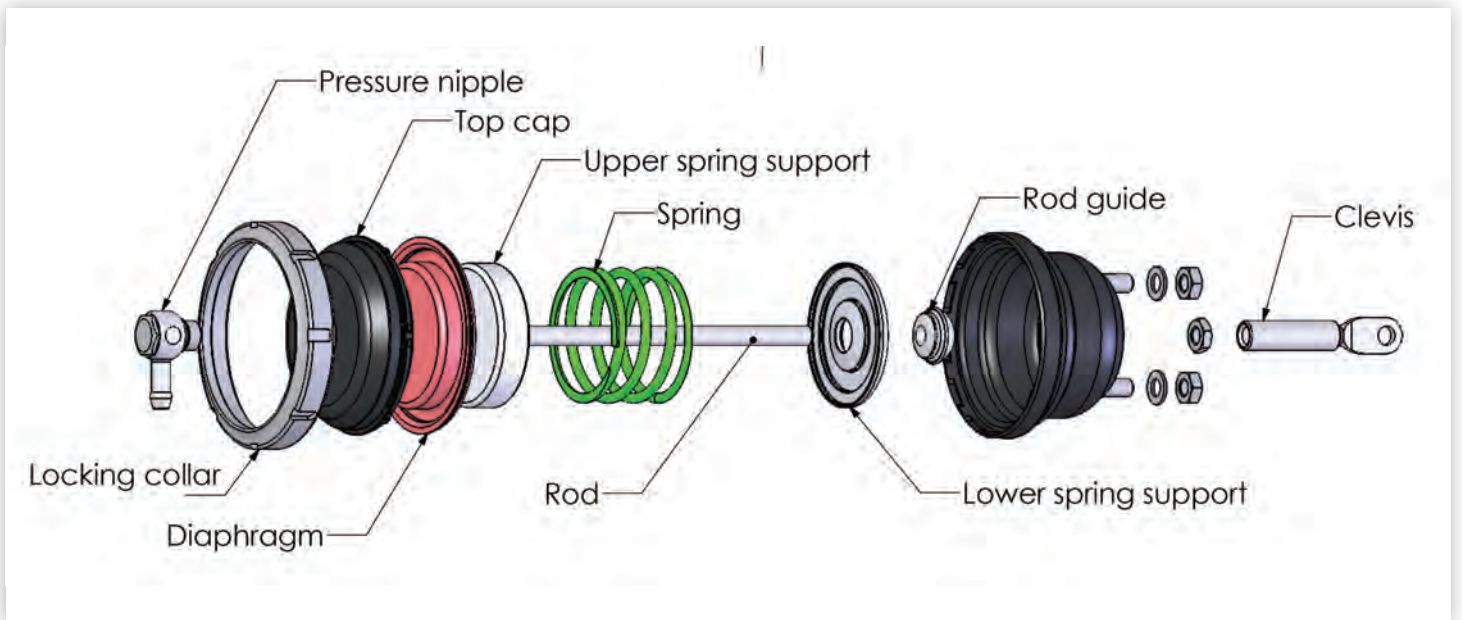
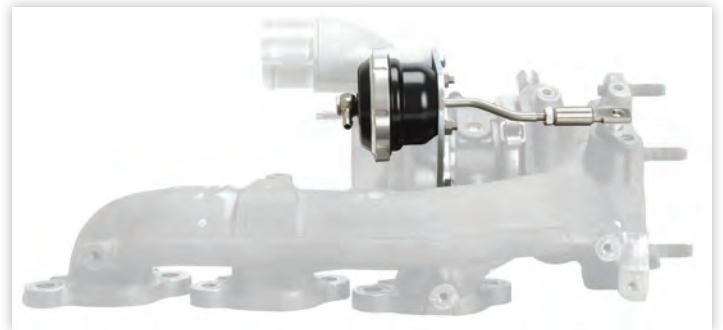
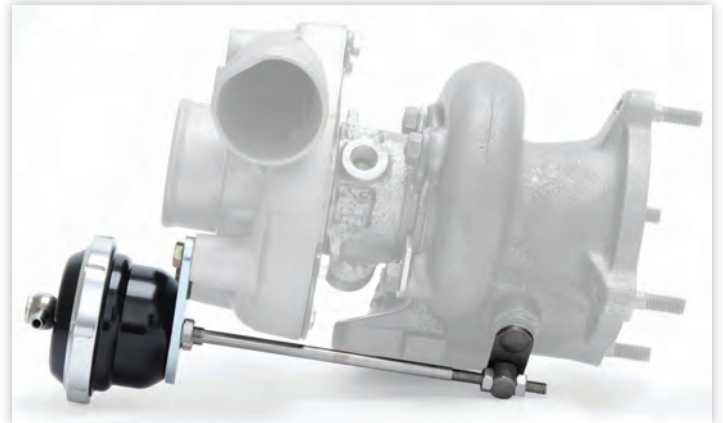
- Base spring pressure available from 3PSI to 26PSI
- Stable boost control
- Improved boost response
- Flatter boost curve in the top end
- A range of vehicle/turbo specific applications including VAG, EcoBoost, Borg Warner, Garrett, Subaru, BMW, and more

Universal Fit IWG-75

TS-0681-5102	IWG75 Universal 150mm Actuator 10PSI
TS-0681-5142	IWG75 Universal 150mm Actuator 14PSI
TS-0681-5072	IWG75 Universal 150mm Actuator 7PSI

IWG-75 Spares and Accessories

TS-0600-2001	IWG75 diaphragm replacement
TS-0600-2002	IWG75 Evo hood kit
TS-0600-3001	IWG75 6.3mm (0.25") clevis
TS-0600-3002	IWG75 8.2mm (0.32") clevis
TS-0600-3003	IWG75 clevis with 8mm pin
TS-0505-2001	WG38/40/45 3PSI inner spring
TS-0505-2002	WG38/40/45 5PSI inner spring
TS-0505-2003	WG38/40/45 7PSI middle spring
TS-0505-2004	WG38/40/45 11PSI middle spring
TS-0505-2005	WG38/40/45 10PSI outer spring
TS-0505-2006	WG38/40/45 7PSI outer spring





INTERNAL WASTEGATES

Vehicle Specific Guide

Make	Model	5PSI	7PSI	10PSI	12PSI	14PSI	18PSI	21PSI	22PSI	24PSI	26PSI	35PSI
Dodge	Ram 5.9L Cummins										TS-0626-1262	TS-0626-1354
Ford	F150 Ecoboost	TS-0622-4052										
Ford	Focus RS		TS-0622-3072									
Ford	Focus ST		TS-0622-5072									
Ford	Focus ST/XR5		TS-0622-2072									
Ford	Powerstroke 7.3L							TS-0622-6212				
Ford	XR6 Turbo		TS-0622-1072	TS-0622-1122								
Mazda	MPS		TS-0610-1072							TS-0610-1242		
Mazda	Protégé		TS-0610-2072									
Mitsubishi	Evo 10			TS-0601-3102	TS-0601-3122	TS-0601-3142	TS-0601-3182		TS-0601-3222	TS-0601-3242		
Mitsubishi	Evo 4-8			TS-0601-1102		TS-0601-1142	TS-0601-1182		TS-0601-1222	TS-0601-1242	TS-0601-1262	
Mitsubishi	Evo 9			TS-0601-2102		TS-0601-2142	TS-0601-2182		TS-0601-2222	TS-0601-2242	TS-0601-2262	
Nissan	R35 GT-R		TS-0615-2072							TS-0615-2242		
Porsche	993 911 Turbo		TS-0624-1072							TS-0624-1242		
Porsche	996 911 GT2		TS-0624-2072							TS-0624-2242		
Porsche	996 911 Turbo		TS-0624-3072							TS-0624-3242		
Subaru	STi 2008/WRX 2009 (VF48/VF52 Turbo)		TS-0605-1072									
Subaru	WRX 2008 (TD04 Turbo)	TS-0605-2052										
Universal	Universal		TS-0681-5072	TS-0681-5102		TS-0681-5142						TS-0626-1354
Borg Warner	EFR B1 Single scroll					TS-0620-1142						
BorgWarner	EFR B1 Twin Scroll					TS-0620-2142						
BorgWarner	EFR B2 Single + Twin Scroll					TS-0620-3142						
Garrett	GT2860RS 'Disco Potato'		TS-0625-1072									



Manual Boost Controllers



Turbosmart's manual boost controllers are easy to fit, simple in operation, and require little maintenance – making them one of the best “bang for buck” performance mods on the market.

Turbosmart manual boost controllers offer:

- 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, set and forget solution to boost control
- A reliable mechanical system for harsh or demanding environments

Boost Tee

- The perfect “set it and forget it” boost controller

In-Cabin

- Adjust the boost from the driver's seat

Dual Stage

- Features two adjustable boost levels
- Quickly switch between high and low boost using the included rocket launcher switch



Manual Boost Controllers

TS-0101-1001	Boost Tee boost controller - blue
TS-0101-1002	Boost Tee boost controller - black
TS-0105-1001	Dual Stage boost controller - blue
TS-0105-1002	Dual Stage boost controller - black
TS-0106-1001	In-Cabin boost controller - blue
TS-0106-1002	In-Cabin boost controller - black

Manual Boost Controllers Spares and Accessories

TS-01 01-3001	Mounting bracket for Boost Tee and In-Cabin manual boost controllers
TS-0105-3002	Replacement tee piece for In-Cabin/Dual Stage manual boost controllers
TS-0105-3005	Replacement rocket launcher switch for Dual Stage boost controller
TS-0105-3001	Replacement mounting bracket for Dual Stage boost controller

Boost Gauge

- The perfect accessory for any Turbosmart manual boost controller.
- Features simple, mechanical operation
- Bright backlighting
- Available in either PSI or BAR
- Black aluminium dash mount cup also available

Boost Gauges and Accessories

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





Electronic Boost Controllers

Electronic Boost Controllers

Turbosmart's e-Boost range of electronic boost controllers give you the ultimate control over your boost curve.

Good things come in threes.

Turbosmart electronic boost controllers allow you to control three individual characteristics of your boost, by adjusting three easy to set parameters:

- The maximum boost pressure (set point)
- The spool up rate of the turbocharger (gate pressure)
- And the reaction time of the controller (sensitivity)

Turbosmart Electronic Boost Controllers:

- Feature sturdy aluminium cases, for durability and strength
- Can be configured to show PSI, kPa, or BAR on an easy-to-read, three-segment display with adjustable brightness.
- Are supplied with a three-port solenoid, solenoid mounting bracket, and vacuum hose



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/2.12BAR 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

TS-0302-1002	e-Boost Street 40psi
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e-Boost Street Parts and Accessories

Part Number	Name
TS-0301-3003	e-Boost2/e-Boost Street spare solenoid kit
TS-0302-2001	e-Boost Street mounting bracket
TS-0302-3002	e-Boost Street wiring harness



Electronic Boost Controllers



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. 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 compensation
- 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
- Cruise without a worry thanks to our Overboost Shutdown safety feature

e-Boost2 is available in two different sizes (60mm and 66mm) and a wide range of colors to suit any interior.

e-Boost2

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 black face/black bezel
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



120 PSI e-Boost2

Market leading innovation now allows our world-class e-Boost2 to control up to 120PSI with ease. The 120PSI e-Boost2 is:

- Ideal for high boost turbo diesel and drag racing applications
- Supplied with upgraded fittings and vacuum lines
- Capable of handling extreme boost
- Available in black and 60mm size only

120PSI e-Boost2

TS-0301-1120	e-Boost2 120PSI 60mm black face/black bezel
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e-Boost2 Parts and Accessories

Part Number	Name
TS-0301-2001	e-Boost2 60mm dash mounting kit
TS-0301-2002	e-Boost2 60mm roll cage mount
TS-0301-2003	e-Boost2 4-port solenoid
TS-0301-2006	e-Boost2 60mm dual LED mount - silver
TS-0301-2007	e-Boost2 60mm dual LED mount - black
TS-0301-2008	e-Boost2 ancilliary LED - red
TS-0301-2009	e-Boost2 ancilliary LED - green
TS-0301-2010	e-Boost2 ancilliary LED - blue
TS-0301-2011	e-Boost2 ancilliary LED - orange
TS-0301-2012	e-Boost2 microswitch
TS-0301-2013	e-Boost2 66mm dash mounting kit
TS-0301-2014	e-Boost2 66mm roll cage mount
TS-0301-2017	e-Boost2 66mm dual LED mount - silver
TS-0301-2018	e-Boost2 66mm dual LED mount - black
TS-0301-2020	e-Boost2 high pressure hose fitting kit
TS-0301-3002	e-Boost2 wiring harness
TS-0301-3003	e-Boost2/e-Boost Street spare solenoid kit





Fuel Pressure Regulators

What is a Fuel Pressure Regulator?

A fuel pressure regulator is a device that maintains a constant pressure difference between fuel pressure and manifold air pressure.

Fuel injectors are designed to spray fuel into the engine in a perfect spray pattern. When an engine is boosted, the rise in air pressure in the manifold can affect the injector's spray pattern - which can cause poor engine performance, or engine failure.

A Fuel Pressure Regulator lets you set a base fuel pressure, then as boost pressure rises, the regulator increases the fuel pressure at a perfect 1:1 ratio, to ensure fuel is being delivered to your fuel injectors at the correct pressure. This is particularly important if performance injectors, or high-flow fuel pumps, have been installed.

Which Fuel Pressure Regulator is right for my application?

A fuel pressure regulator is sized according to how much fuel it is able to return to the fuel tank, while maintaining an optimum fuel pressure. When high flow fuel pumps are installed into a fuel system, the fuel pressure regulator must be able to match the flow of the new pumps. So, a Turbosmart FPR800 is rated to '800HP' not on its ability to support an 800HP engine, rather its ability to flow 800HP worth of fuel back to the tank when it's not needed by the fuel injectors.

Therefore Turbosmart fuel pressure regulators are chosen to match the capacity of the fuel system.

Other factors to consider when choosing a Turbosmart fuel pressure regulator include what kind of lines are being used (rubber push on or screw in -AN fittings), and whether or not your fuel rail is aftermarket (requiring the use of custom fuel lines).

All Turbosmart fuel pressure regulator:

- Are manufactured from billet aluminium and hand assembled for maximum precision
- Are suitable for use with either mechanical or electric fuel pumps
- Maintain a 1:1 Fuel/Air Pressure Ratio
- Allow 30-70PSI base pressure adjustments
- Are supplied with a mounting bracket, vacuum fitting and gauge port plug



FPR800 V2*

TS-0401-1001	FPR 800 V2 - blue
TS-0401-1002	FPR 800 V2 - black

- Ideal for vehicles running 800HP fuel systems
- 1/8 NPT inlet and outlet ports, 1/8 NPT gauge port

*Not suitable for 100+ octane unleaded race fuels.

FPR800 Parts and Accessories

TS-0401-3101	FPR 800 V2 replacement diaphragm
TS-0401-3001	FPR 800 replacement diaphragm
TS-0401-3005	FPR mounting bracket
TS-0402-1107	FPR fitting kit 1/8NPT to 6mm
TS-0402-1108	FPR fitting kit 1/8NPT to 8mm
TS-0402-1115	FPR fitting kit 1/8NPT - 10mm
TS-0402-1112	FPR fitting kit 1/8NPT to-6AN
TS-0402-1123	FPR 1/8 NPT Male - 1/8 NPT Female 90°
TS-0402-2023	FPR liquid filled gauge 0-100PSI

FPR1200 V2

TS-0401-1003	FPR 1200 V2- blue
TS-0401-1004	FPR 1200 V2 - black

- Ideal for vehicles running 1200HP fuel systems
- -6AN inlet and outlet ports, 1/8 NPT gauge port
- Suitable for all pump and race fuels

FPR1200 Parts and Accessories

TS-0401-3102	FPR 1200 V2 replacement diaphragm
TS-0401-3002	FPR 1200 replacement diaphragm
TS-0401-3005	FPR mounting bracket
TS-0402-1109	FPR fitting kit -6 AN to 6mm
TS-0402-1110	FPR fitting kit -6 AN to 8mm
TS-0402-1116	FPR fitting kit -6 AN to 10mm
TS-0402-1111	FPR fitting kit -6AN to -6AN
TS-0402-2023	FPR liquid filled gauge 0-100PSI

FPR2000

TS-0401-1005	FPR 2000 - blue
TS-0401-1006	FPR 2000 - black

- Ideal for vehicles running 2000HP fuel systems
- -8AN inlet and outlet ports, 1/8 NPT gauge port
- Supplied with -3AN vacuum/pressure port adaptor
- Suitable for all pump and race fuels

FPR3000

TS-0401-1007	FPR 3000 -10 AN - blue
TS-0401-1008	FPR 3000 -10 AN - black

- Ideal for vehicles running 3000HP fuel systems
- -10AN inlet ports, -8AN outlet ports, 1/8 NPT gauge port
- Supplied with -3AN vacuum/pressure port adaptor
- Suitable for all pump and race fuels

FPR2000/3000 Parts and Accessories

TS-0401-3003	FPR 2/3000 replacement diaphragm
TS-0401-3005	FPR mounting bracket
TS-0402-2023	FFPR liquid filled gauge 0-100PSI



Fuel Rail Adapters / FCDs



Fuel Rail Adapters

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

Make	Model	Engine	Part Number
Honda	EG6 Civic SiR	B16A	TS-0402-1004
Honda	EK4 Civic	B16A	TS-0402-1004
Honda	Del Sol CRX	B16A	TS-0402-1004
Honda	EK9 Civic Type-R	B16B	TS-0402-1004
Mazda	RX-7 Series 6 FD3s	13BREW	TS-0402-1001
Mazda	RX-7 Series 4	13B	TS-0402-1003
Mitsubishi	Lancer Evolution 4	4G63	TS-0402-1005
Mitsubishi	Lancer Evolution 5	4G63	TS-0402-1005
Mitsubishi	Lancer Evolution 6	4G63	TS-0402-1005
Mitsubishi	Lancer Evolution 7	4G63	TS-0402-1005
Mitsubishi	Lancer Evolution 8	4G63	TS-0402-1005
Mitsubishi	Lancer Evolution 9	4G63	TS-0402-1005
Mitsubishi	FTO	6A12 MIVEC	TS-0402-1005
Mitsubishi	Lancer Evolution 10	4B11T	TS-0402-1014
Nissan	PS13 Silvia	CA18DET	TS-0402-1001
Nissan	RPS13 180SX	CA18DET	TS-0402-1001
Nissan	Skyline R32 GTS-25	RB25DE	TS-0402-1001
Nissan	Skyline R33 GTS-T	RB25DET	TS-0402-1001
Nissan	Skyline R34 GTS-T	RB25DET	TS-0402-1001
Nissan	Skyline R32 GT-R	RB26DETT	TS-0402-1001
Nissan	Skyline R33 GT-R	RB26DETT	TS-0402-1001
Nissan	Skyline R34 GT-R	RB26DETT	TS-0402-1001
Nissan	PS13 Silvia	SR20DET	TS-0402-1001
Nissan	RPS13 180SX	SR20DET	TS-0402-1001
Nissan	S14 Silvia/200SX	SR20DET	TS-0402-1001
Nissan	S15 Silvia/200SX	SR20DET	TS-0402-1001
Subaru	GC8/GF8 WRX	EJ205	TS-0402-1001
Subaru	Liberty/Outback up to MY00	EJ205	TS-0402-1001
Subaru	GC8/GF8 WRX STI	EJ207	TS-0402-1001
Subaru	GRB WRX (08 - current)	EJ255	TS-0402-1001
Subaru	Forrester (08 - current)	EJ255	TS-0402-1001
Subaru	Liberty (05 - current)	EJ255	TS-0402-1001
Subaru	GDA WRX (01 - 08)	EJ205	TS-0402-1002
Subaru	WRX STI (08 - Current)	EJ257	TS-0402-1013
Toyota	Supra JZ80	2JZ-GTE	TS-0402-1002
Toyota	Aristo JZ147	2JZ-GTE	TS-0402-1002
Toyota	Corolla	4AGE	TS-0402-1002
Toyota	Corolla	4AGZE	TS-0402-1002
Toyota	Starlet EP	4EFTE	TS-0402-1002
Toyota	Supra	1JZ-GTE	TS-0402-1003
Toyota	Cresta	1JZ-GTE	TS-0402-1003
Toyota	Chaser	1JZ-GTE	TS-0402-1003
Toyota	Mark II	1JZ-GTE	TS-0402-1003
Toyota	Soarer	1UZ-FE	TS-0402-1003
Toyota	MR2	3SGTE	TS-0402-1003
Toyota	Celica GT4	3SGTE	TS-0402-1003

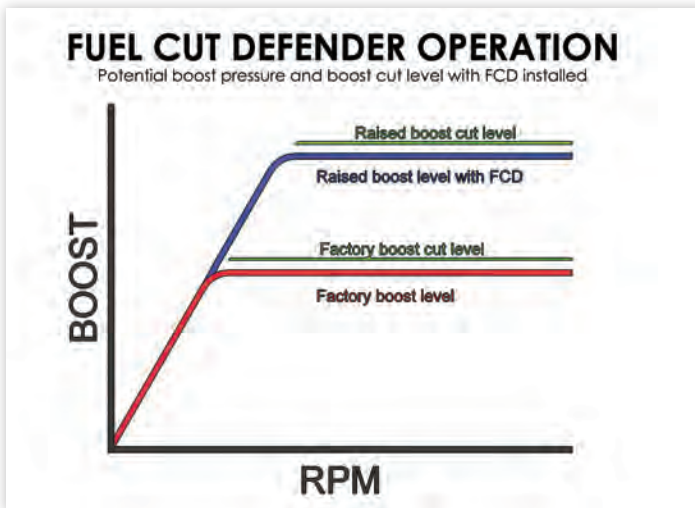
Fuel Cut Defenders

What is Fuel Cut?

Fuel cut is a factory safeguard against boost spikes and boost creep. When the factory ECU senses an increase in boost pressure over a specified fuel cut-out level, it triggers a momentary shutdown of the fuel injectors in order to save the engine from damage.

What does a Fuel Cut Defender do?

A fuel cut defender raises the fuel cut-out level, allowing you - through the use of a Turbosmart boost controller - to increase boost pressure without the ECU triggering the fuel injector shut-down.



FCD-1 (pneumatic)

- Suited to most cars using a manifold air pressure (MAP) sensor
- Allows an accurate increase in the factory fuel cut-out level
- No need to cut/splice wires
- Does not affect off-boost conditions
- Can be locked to prevent tampering

FCD-2 (electronic)

- Suited to most cars using an Air Flow Meter (AFM)
- Allows an accurate increase in the factory fuel cut-out level
- Features LED indicators for easy set-up
- Adjustable release feature ensures you set your own fuel cut-out level to protect your engine from over-boosting

Fuel Cut Defender FCD-1 (pneumatic) TS-0303-1001

Fuel Cut Defender FCD-2 (electronic) TS-0303-1002





Silicone Hoses

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 -58°F to 338°F constant
- Available in a wide range of styles and diameters
- Available in blue (part number ending with BE) and in black (part number ending with BK)



STRAIGHT HOSE - PRE-CUT SHORTER LENGTHS

PART NUMBER	DIAMETER
TS-HS100060-BE	1.00" x 2.375" (25mm x 60mm) BLUE
TS-HS100060-BK	1.00" x 2.375" (25mm x 60mm) BLACK
TS-HS110060-BE	1.10" x 2.375" (28mm x 60mm) BLUE
TS-HS110060-BK	1.10" x 2.375" (28mm x 60mm) BLACK
TS-HS125060-BE	1.25" x 2.375" (32mm x 60mm) BLUE
TS-HS125060-BK	1.25" x 2.375" (32mm x 60mm) BLACK
TS-HS150060-BE	1.50" x 2.375" (38mm x 60mm) BLUE
TS-HS150060-BK	1.50" x 2.375" (38mm x 60mm) BLACK
TS-HS175060-BE	1.75" x 2.375" (45mm x 60mm) BLUE
TS-HS175060-BK	1.75" x 2.375" (45mm x 60mm) BLACK
TS-HS200075-BE	2.00" x 3.00" (50mm x 75mm) BLUE
TS-HS200075-BK	2.00" x 3.00" (50mm x 75mm) BLACK
TS-HS225075-BE	2.25" x 3.00" (57mm x 75mm) BLUE
TS-HS225075-BK	2.25" x 3.00" (57mm x 75mm) BLACK
TS-HS250075-BE	2.50" x 3.00" (63mm x 75mm) BLUE
TS-HS250075-BK	2.50" x 3.00" (63mm x 75mm) BLACK
TS-HS275075-BE	2.75" x 3.00" (70mm x 75mm) BLUE
TS-HS275075-BK	2.75" x 3.00" (70mm x 75mm) BLACK
TS-HS300075-BE	3.00" x 3.00" (75mm x 75mm) BLUE
TS-HS300075-BK	3.00" x 3.00" (75mm x 75mm) BLACK
TS-HS325090-BE	3.25" x 3.50" (83mm x 90mm) BLUE
TS-HS325090-BK	3.25" x 3.50" (83mm x 90mm) BLACK
TS-HS350090-BE	3.50" x 3.50" (89mm x 90mm) BLUE
TS-HS350090-BK	3.50" x 3.50" (89mm x 90mm) BLACK
TS-HS375090-BE	3.75" x 3.50" (95mm x 90mm) BLUE
TS-HS375090-BK	3.75" x 3.50" (95mm x 90mm) BLACK
TS-HS400090-BE	4.00" x 3.50" (102mm x 90mm) BLUE
TS-HS400090-BK	4.00" x 3.50" (102mm x 90mm) BLACK

STRAIGHT HOSE - FULL LENGTHS (2'/610mm)

TS-HS100610-BE	1.00" x 2.00' (25mm x 610mm) BLUE
TS-HS100610-BK	1.00" x 2.00' (25mm x 610mm) BLACK
TS-HS110610-BE	1.10" x 2.00' (28mm x 610mm) BLUE
TS-HS110610-BK	1.10" x 2.00' (28mm x 610mm) BLACK
TS-HS125610-BE	1.25" x 2.00' (32mm x 610mm) BLUE
TS-HS125610-BK	1.25" x 2.00' (32mm x 610mm) BLACK
TS-HS150610-BE	1.50" x 2.00' (38mm x 610mm) BLUE
TS-HS150610-BK	1.50" x 2.00' (38mm x 610mm) BLACK
TS-HS175610-BE	1.75" x 2.00' (45mm x 610mm) BLUE

PART NUMBER DIAMETER

TS-HS175610-BK	1.75" x 2.00' (45mm x 610mm) BLACK
TS-HS200610-BE	2.00" x 2.00' (50mm x 610mm) BLUE
TS-HS200610-BK	2.00" x 2.00' (50mm x 610mm) BLACK
TS-HS225610-BE	2.25" x 2.00' (57mm x 610mm) BLUE
TS-HS225610-BK	2.25" x 2.00' (57mm x 610mm) BLACK
TS-HS250610-BE	2.50" x 2.00' (63mm x 610mm) BLUE
TS-HS250610-BK	2.50" x 2.00' (63mm x 610mm) BLACK
TS-HS275610-BE	2.75" x 2.00' (70mm x 610mm) BLUE
TS-HS275610-BK	2.75" x 2.00' (70mm x 610mm) BLACK
TS-HS300610-BE	3.00" x 2.00' (76mm x 610mm) BLUE
TS-HS300610-BK	3.00" x 2.00' (76mm x 610mm) BLACK
TS-HS325610-BE	3.25" x 2.00' (83mm x 610mm) BLUE
TS-HS325610-BK	3.25" x 2.00' (83mm x 610mm) BLACK
TS-HS350610-BE	3.50" x 2.00' (89mm x 610mm) BLUE
TS-HS350610-BK	3.50" x 2.00' (89mm x 610mm) BLACK
TS-HS375610-BE	3.75" x 2.00' (95mm x 610mm) BLUE
TS-HS375610-BK	3.75" x 2.00' (95mm x 610mm) BLACK
TS-HS400610-BE	4.00" x 2.00' (102mm x 610mm) BLUE
TS-HS400610-BK	4.00" x 2.00' (102mm x 610mm) BLACK

45 DEGREE ELBOWS

PART NUMBER	DIAMETER
TS-HE45075-BE	0.75" (19mm) BLUE
TS-HE45075-BK	0.75" (19mm) BLACK
TS-HE45100-BE	1.00" (25mm) BLUE
TS-HE45100-BK	1.00" (25mm) BLACK
TS-HE45125-BE	1.25" (32mm) BLUE
TS-HE45125-BK	1.25" (32mm) BLACK
TS-HE45150-BE	1.50" (38mm) BLUE
TS-HE45150-BK	1.50" (38mm) BLACK
TS-HE45175-BE	1.75" (45mm) BLUE
TS-HE45175-BK	1.75" (45mm) BLACK
TS-HE45200-BE	2.00" (50mm) BLUE
TS-HE45200-BK	2.00" (50mm) BLACK
TS-HE45225-BE	2.25" (57mm) BLUE
TS-HE45225-BK	2.25" (57mm) BLACK
TS-HE45250-BE	2.50" (63mm) BLUE
TS-HE45250-BK	2.50" (63mm) BLACK
TS-HE45275-BE	2.75" (70mm) BLUE
TS-HE45275-BK	2.75" (70mm) BLACK



Silicone Hoses



PART NUMBER	DIAMETER
TS-HE45300-BE	3.00" (76mm) BLUE
TS-HE45300-BK	3.00" (76mm) BLACK
TS-HE45350-BE	3.50" (89mm) BLUE
TS-HE45350-BK	3.50" (89mm) BLACK
TS-HE45400-BE	4.00" (102mm) BLUE
TS-HE45400-BK	4.00" (102mm) BLACK

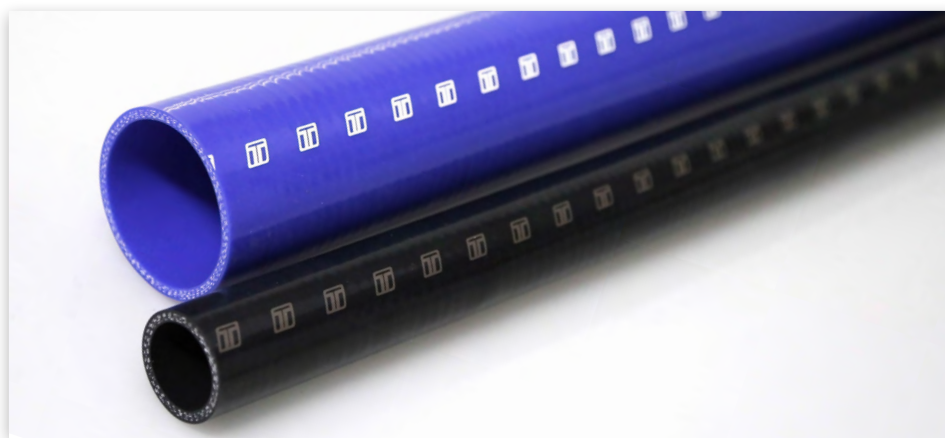
45 DEGREE ELBOW REDUCERS	
TS-HRE42225-BE	2.25-2.50" (57-63mm) BLUE
TS-HRE42225-BK	2.25-2.50" (57-63mm) BLACK

90 DEGREE ELBOWS	
TS-HE90100-BE	1.00" (25mm) BLUE
TS-HE90100-BK	1.00" (25mm) BLACK
TS-HE90125-BE	1.25" (32mm) BLUE
TS-HE90125-BK	1.25" (32mm) BLACK
TS-HE90150-BE	1.50" (38mm) BLUE
TS-HE90150-BK	1.50" (38mm) BLACK
TS-HE90175-BE	1.75" (45mm) BLUE
TS-HE90175-BK	1.75" (45mm) BLACK
TS-HE90200-BE	2.00" (50mm) BLUE
TS-HE90200-BK	2.00" (50mm) BLACK
TS-HE90225-BE	2.25" (57mm) BLUE
TS-HE90225-BK	2.25" (57mm) BLACK
TS-HE90250-BE	2.50" (63mm) BLUE
TS-HE90250-BK	2.50" (63mm) BLACK
TS-HE90275-BE	2.75" (70mm) BLUE
TS-HE90275-BK	2.75" (70mm) BLACK
TS-HE90300-BE	3.00" (76mm) BLUE
TS-HE90300-BK	3.00" (76mm) BLACK
TS-HE90350-BE	3.50" (89mm) BLUE
TS-HE90350-BK	3.50" (89mm) BLACK
TS-HE90400-BE	4.00" (102mm) BLUE
TS-HE90400-BK	4.00" (102mm) BLACK

90 DEGREE ELBOW REDUCERS	
TS-HRE92025-BE	2.00-2.50" (50-63mm) BLUE
TS-HRE92025-BK	2.00-2.50" (50-63mm) BLACK
TS-HRE92530-BE	2.50-3.00" (63-76mm) BLUE
TS-HRE92530-BK	2.50-3.00" (63-76mm) BLACK

REINFORCED HUMP HOSES	
TS-HH200-BE	2.00" (50mm) BLUE
TS-HH200-BK	2.00" (50mm) BLACK
TS-HH225-BE	2.25" (57mm) BLUE
TS-HH225-BK	2.25" (57mm) BLACK
TS-HH250-BE	2.50" (63mm) BLUE
TS-HH250-BK	2.50" (63mm) BLACK
TS-HH275-BE	2.75" (70mm) BLUE
TS-HH275-BK	2.75" (70mm) BLACK
TS-HH300-BE	3.00" (76mm) BLUE
TS-HH300-BK	3.00" (76mm) BLACK
TS-HH350-BE	3.50" (89mm) BLUE
TS-HH350-BK	3.50" (89mm) BLACK
TS-HH400-BE	4.00" (102mm) BLUE
TS-HH400-BK	4.00" (102mm) BLACK

REDUCERS	
TS-HR125175-BE	1.25" - 1.75" BLUE
TS-HR125175-BK	1.25" - 1.75" BLACK
TS-HR150175-BE	1.50" - 1.75" BLUE
TS-HR150175-BK	1.50" - 1.75" BLACK
TS-HR150200-BE	1.50" - 2.00" BLUE
TS-HR150200-BK	1.50" - 2.00" BLACK
TS-HR175200-BE	1.75" - 2.00" BLUE
TS-HR175200-BK	1.75" - 2.00" BLACK
TS-HR175225-BE	1.75" - 2.25" BLUE
TS-HR175225-BK	1.75" - 2.25" BLACK
TS-HR175300-BE	1.75" - 3.00" BLUE
TS-HR175300-BK	1.75" - 3.00" BLACK
TS-HR200225-BE	2.00" - 2.25" BLUE
TS-HR200225-BK	2.00" - 2.25" BLACK
TS-HR200250-BE	2.00" - 2.50" BLUE
TS-HR200250-BK	2.00" - 2.50" BLACK
TS-HR200275-BE	2.00" - 2.75" BLUE
TS-HR200275-BK	2.00" - 2.75" BLACK
TS-HR200300-BE	2.00" - 3.00" BLUE
TS-HR200300-BK	2.00" - 3.00" BLACK
TS-HR200325-BE	2.00" - 3.25" BLUE
TS-HR200325-BK	2.00" - 3.25" BLACK
TS-HR225250-BE	2.25" - 2.50" BLUE
TS-HR225250-BK	2.25" - 2.50" BLACK
TS-HR225275-BE	2.25" - 2.75" BLUE
TS-HR225275-BK	2.25" - 2.75" BLACK
TS-HR225300-BE	2.25" - 3.00" BLUE
TS-HR225300-BK	2.25" - 3.00" BLACK
TS-HR250275-BE	2.50" - 2.75" BLUE
TS-HR250275-BK	2.50" - 2.75" BLACK
TS-HR250300-BE	2.50" - 3.00" BLUE
TS-HR250300-BK	2.50" - 3.00" BLACK
TS-HR250325-BE	2.50" - 3.25" BLUE
TS-HR250325-BK	2.50" - 3.25" BLACK
TS-HR275300-BE	2.75" - 3.00" BLUE
TS-HR275300-BK	2.75" - 3.00" BLACK
TS-HR275350-BE	2.75" - 3.50" BLUE





PART NUMBER	DIAMETER
TS-HR275350-BK	2.75" - 3.50" BLACK
TS-HR300325-BE	3.00" - 3.25" BLUE
TS-HR300325-BK	3.00" - 3.25" BLACK
TS-HR300350-BE	3.00" - 3.50" BLUE
TS-HR300350-BK	3.00" - 3.50" BLACK
TS-HR300375-BE	3.00" - 3.75" BLUE
TS-HR300375-BK	3.00" - 3.75" BLACK
TS-HR300400-BE	3.00" - 4.00" BLUE
TS-HR300400-BK	3.00" - 4.00" BLACK
TS-HR325400-BE	3.25" - 4.00" BLUE
TS-HR325400-BK	3.25" - 4.00" BLACK
TS-HR350375-BE	3.50" - 3.75" BLUE
TS-HR350375-BK	3.50" - 3.75" BLACK
TS-HR350400-BE	3.50" - 4.00" BLUE
TS-HR350400-BK	3.50" - 4.00" BLACK

SILICONE TEE

PART NUMBER	SPOUT/HOSE SIZE
TS-HT200100-BE	1.00" Spout/2.00" (50mm) Hose BLUE
TS-HT200100-BK	1.00" Spout/2.00" (50mm) Hose BLACK
TS-HT250100-BE	1.00" Spout/2.50" (63.5mm) Hose BLUE
TS-HT250100-BK	1.00" Spout/2.50" (63.5mm) Hose BLACK
TS-HT200150-BE	1.50" Spout/2.00" (50mm) Hose BLUE
TS-HT200150-BK	1.50" Spout/2.00" (50mm) Hose BLACK
TS-HT225150-BE	1.50" Spout/2.25" (57mm) Hose BLUE
TS-HT225150-BK	1.50" Spout/2.25" (57mm) Hose BLACK
TS-HT250150-BE	1.50" Spout/2.50" (63.5mm) Hose BLUE
TS-HT250150-BK	1.50" Spout/2.50" (63.5mm) Hose BLACK
TS-HT275150-BE	1.50" Spout/2.75" (70mm) Hose BLUE
TS-HT275150-BK	1.50" Spout/2.75" (70mm) Hose BLACK
TS-HT300150-BE	1.50" Spout/3.00" (76mm) Hose BLUE
TS-HT300150-BK	1.50" Spout/3.00" (76mm) Hose BLACK

VACUUM HOSE - (3M PACKS) REGULAR

PART NUMBER	DIAMETER
TS-HV0303BE	0.12" x 10' (3mm x 3m) BLUE
TS-HV0303BK	0.12" x 10' (3mm x 3m) BLACK
TS-HV0303RD	0.12" x 10' (3mm x 3m) RED
TS-HV0403BE	0.16" x 10' (4mm x 3m) BLUE
TS-HV0403BK	0.16" x 10' (4mm x 3m) BLACK
TS-HV0403RD	0.16" x 10' (4mm x 3m) RED
TS-HV0503BE	0.20" x 10' (5mm x 3m) BLUE
TS-HV0503BK	0.20" x 10' (5mm x 3m) BLACK
TS-HV0503RD	0.20" x 10' (5mm x 3m) RED
TS-HV0603BE	0.24" x 10' (6mm x 3m) BLUE
TS-HV0603BK	0.24" x 10' (6mm x 3m) BLACK
TS-HV0603RD	0.24" x 10' (6mm x 3m) RED

VACUUM HOSE - (3M PACKS) REINFORCED

TS-HH06303BE	0.25" x 10' (6.3mm x 3m) BLUE
TS-HH06303BK	0.25" x 10' (6.3mm x 3m) BLACK

MURRAY TURBO SEAL SERIES CONSTANT TENSION CLAMPS

Turbosmart stocks and recommends Murray Corporation Turbo Seal Series Specialty Worm Drive Clamps. Turbo Seal Series Constant Tension Worm Gear Clamps feature:

- A convoluted spring action outer-band - designed to compensate for the effects of thermal cycling and/or compression set of hose
 - Chamfered edges protect soft hose compounds and eliminate damage when tightened.
 - Stainless steel, corrosion resistant construction
- All the above features make the Turbo Seal Series clamps ideal for all charged air applications



TURBO SEAL SERIES STAINLESS STEEL CONSTANT TENSION CLAMPS

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	3.500-4.375"	(89-111mm)

SPRING CLAMPS

TS-HCS-003	0.12"	(3mm)
TS-HCS-005	0.20"	(5mm)
TS-HCS-006	0.24"	(6mm)

HOSE BLANKING PLUGS (INDIVIDUAL)

TS-0205-2012	0.75"	(19mm)
TS-0205-2013	1.00"	(25mm)
TS-0205-2014	1.14"	(29mm)
TS-0205-2015	1.26"	(32mm)
TS-0205-2016	1.34"	(34mm)
TS-0205-2017	1.50"	(38mm)



Boost Reference Adapter Kit.

The BT50/Ranger BRA Kit is an easy to install, compact, reliable, durable solution for obtaining a boost reference for your vehicle. Supplied with BRA, boost gauge, mounting cup and bracket, electrical cable and connectors is suits Mazda BT50 (2011-Current), Ford Ranger (T6) (2011-Current).

TS-0205-2064 BT50/Ranger BRA Kit



Diesel Blow-off Valve Controller

Large diesel engines with larger turbochargers can experience compressor surge when coming off the throttle. This can be disastrous on a turbo system which is producing high amounts of boost. The Turbosmart Blow-off valve controller is an electronic device which controls the pressure signal to the blow-off valve.

It energises a solenoid to release all of the air out of the blow-off valve cap, causing a pressure differential between the piston of the blow-off valve and the cap, which will vent pressure from the intake system. Ideal for diesel engines, the Turbosmart blow-off valve controller is supplied with:

- Specific Race Port BOV
- Wiring loom
- Solenoid and bracket
- Reinforced pressure tubing
- Hose clamps and mounting hardware

TS-0304-1001 BOV Controller with blue Race Port BOV
 TS-0304-1002 BOV Controller with black Race Port BOV
 TS-0304-1003 BOV Controller and fittings only - No BOV



120 PSI e-Boost2

Market leading innovation now allows our world-class e-Boost2 to control up to 120PSI with ease. The 120PSI e-Boost2 is:

- Ideal for high boost turbo diesel applications
- Supplied with upgraded fittings and vacuum lines
- Capable of handling extreme boost
- Available in black and 60mm size only

For e-Boost2 part numbers and accessories turn to page 24

Diesel Specific Internal Wastegate Actuators

Upgrading your boost control actuator to a Turbosmart IWG is a cost effective, "set and forget" solution for boost control on turbocharged diesel engines.

Changing to a Turbosmart IWG actuator means boost is controlled by spring pressure (Options from 3PSI to 40PSI available) rather than fitting an extra 'bleed vale' which can mean a tangle of vacuum hoses and often leave your engine bay covered in oil and grime due to the 'heavy breathing' of diesel engines. Turbosmart IWG actuators for diesel engines we have seen a marked improvement in:

- Power
- Torque
- Economy



For IWG part numbers, spares and accessories turn to page 20

HP External Wastegates

The world's highest pressure external wastegates – Turbosmart's HP wastegate range retains the compactness of and lightness Turbosmart wastegates are known for, with the added bonus of being capable of handling high boost pressures. The HP wastegates are:

- Available in 38mm, 40mm, and 45mm sizes
- 35PSI standard, 40 PSI optional
- Only 28mm taller than standard wastegates
- Ideal for turbo diesel and drag racing

For HP Wastegate part numbers, spares and accessories turn to page 14



Piston engine

A piston engine uses the up and down motion of a piston to generate a rotational motion on a crank shaft.

Rotary engine

A rotary engine uses a triangular shaped rotor which rotates in an epitrochoid shaped housing to convert pressure into a rotational motion on an eccentric shaft.

Turbocharger

A turbocharger is an air compressor that is driven by exhaust gasses exiting the engine.

Supercharger

A supercharger is an air compressor that is driven by the engine via a pulley system.

Exhaust manifold

The exhaust manifold links the exhaust ports from an engine into a singular pipe.

Intake manifold

The intake manifold supplies air to the individual combustion chambers of an engine.

Throttle body

The throttle body controls the amount of air that enters the engine via a valve.

Throttle position sensor (TPS)

The TPS converts the position of the throttle to an electrical signal for the engine control unit to interpret.

Boost pressure

Boost pressure is the air pressure inside the intake manifold when it is above atmospheric pressure.

Vacuum

Vacuum is the air pressure inside the intake manifold when it is below atmospheric pressure.

Bypass valve (BPV)

A bypass valve is a pressure relief valve, which is mounted between the turbocharger/supercharger and the throttle body on an engine. It vents air back into the intake of the turbocharger/supercharger under certain engine conditions.

Blow off valve (BOV)

A blow off valve is a pressure relief valve, which is mounted between the turbocharger/supercharger and the throttle body on an engine. It vents air back into the intake of the turbocharger/supercharger under certain engine conditions.

Wastegate valve

Is a valve located in the turbine housing that controls the amount of exhaust gas that flows through the turbine.

Internal wastegate actuator

An actuator that controls the position of the wastegate valve, which in turn controls the exhaust gas flow to the turbine.

External wastegate

Is an external valve and actuator mounted on the exhaust manifold that controls the amount of exhaust gas that flows through the turbine.

Boost controller

A boost controller is a device that controls the amount of air pressure being produced by the turbocharger by adjusting the pneumatic force actuating the wastegate valve or external wastegate.

Electronic boost controller

An electronic boost controller uses electronic sensors to monitor the boost pressure entering an engine, then controls the pressure produced by the turbocharger by using a solenoid valve to adjust pneumatic force actuating the wastegate valve or external wastegate.

Solenoid

A solenoid is cylindrical coil of wire surrounding a metallic core. When carrying electric current, the coil acts as a magnet and applies a force to the metallic core. A valve can be incorporated on the solenoid to control the flow of a gas or fluid.

Duty cycle

Duty cycle is the percentage of time something is active based on the total time it can be active. 50% duty cycle means that something is active for 50% of the total time that it can be active.

Fuel injector

A fuel injector injects a predetermined volume of fuel into the combustion chamber of an internal combustion engine.

Fuel pressure regulator (FPR)

A fuel pressure regulator controls the pressure of fuel supplied to the fuel injectors so that they can work within their designed pressure differential.

Turbine

A turbine collects energy from a flowing fluid and converts it into useful work such as rotating a shaft.

Compressor

A compressor applies kinetic energy to a flowing fluid to increase its pressure/velocity/flow rate.

Flutter

Flutter is the noise emitted when a compressor is outside its airflow map

Naturally aspirated (N/A)

An engine which is naturally aspirated is an engine which relies on atmospheric pressure to fill the combustion chamber with air and fuel for combustion.

Fuel cut

Fuel cut happens when the engine control unit shuts the fuel injectors off to stop the engine from producing any power. This is a safety feature and is designed to prevent the engine from damage when the control unit detects that the engine is operating outside its design parameters.

Manifold Absolute Pressure sensor (MAP sensor)

A sensor that allows the engine control module to measure the absolute pressure in an intake manifold and thereby determine fuel supply to the combustion chamber.

Mass Air Flow meter (MAF Meter)

A MAF meter is a sensor that allows the engine control module to measure the actual mass air flow rate entering the engine and thereby determine fuel supply to the combustion chamber.

Air/fuel ratio (AFR)

The air/fuel ratio is the mass ratio of air and fuel entering the combustion chamber.

Exhaust gas temperature (EGT)

The temperature of exhaust gas exiting an internal combustion engine

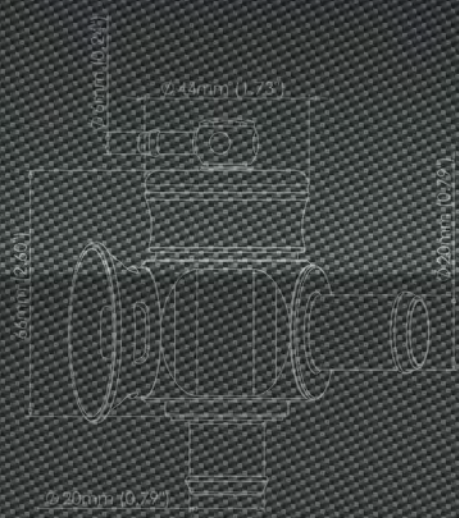
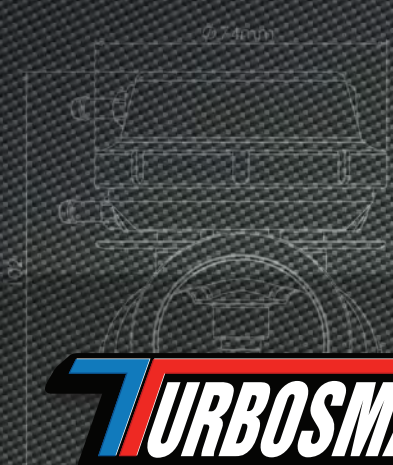
Revolutions per minute (RPM)

RPM is the rotational speed of the engine in terms of the number of complete crankshaft revolutions per minute of time.

Diaphragm

A diaphragm is a thin sheet of flexible material which is sandwiched between two surfaces to form two sealed chambers. The sheet can move into either of the sealed chambers depending on the pressure or force acting on the material.





HEAD OFFICE

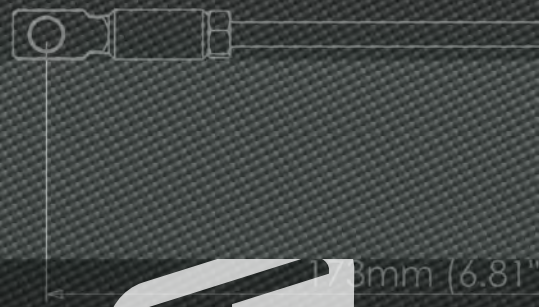
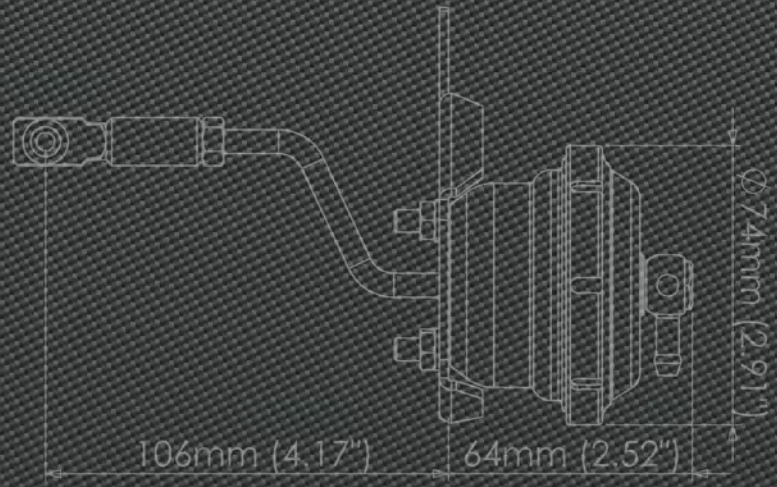
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**PRODUCT CATALOG
 2015**

50mm Valve
 68mm

