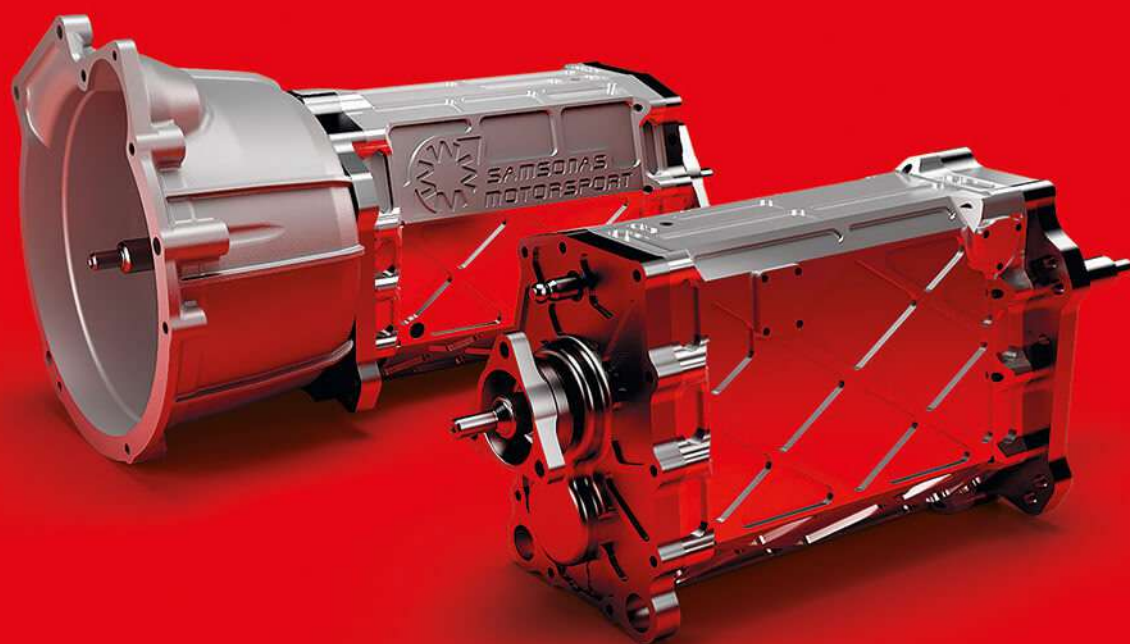




Catalog



Universal RWDS Sequential Gearbox

KIT CONTAINS:

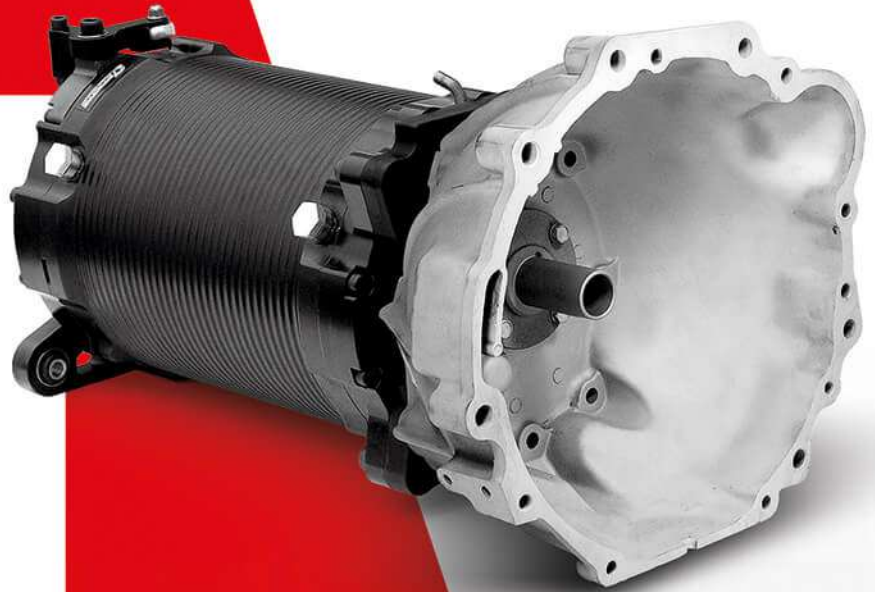
- 4, 5, 6 speed (plus reverse) full sequential gearboxes;
- solid aluminium casing;
- has a transfer or reduction gear;
- torque rating up to 1400 Nm, depending on options;
- special steel X300 clutch shaft;
- straight cut teeth, 5 dogs design;
- big range of different clutch shafts and bellhouses like for Nissan, Toyota, BMW, Ford, Mazda, Opel, Volvo, Honda, Subaru and etc;
- dry weight 38 kg;
- drift, drag, rally, rally raid, rally cross, circuit.

4 SPEED GEARBOX RATIOS:

I	2,462	I	3,000	I	2,462
II	1,800	II	2,000	II	1,647
III	1,471	III	1,500	III	1,250
IV	1,250	IV	1,190	IV	1,000

Transfer or reduction gear ratios:

- 0,700
- 0,840
- 0,870
- 0,920
- 0,962
- 1,000
- 1,040
- 1,087
- 1,143
- 1,250
- 1,333



5 SPEED GEARBOX RATIOS:

I	2,462	I	3,000	I	3,000	I	3,000
II	1,800	II	2,000	II	1,800	II	2,000
III	1,471	III	1,500	III	1,250	III	1,500
IV	1,250	IV	1,190	IV	1,000	IV	1,250
V	1,087	V	1,000	V	0,833	V	1,087

I	2,462	I	3,000	I	2,462
II	1,800	II	2,000	II	1,647
III	1,250	III	1,500	III	1,250
IV	1,000	IV	1,190	IV	1,000
V	0,833	V	0,962	V	0,875

Transfer or reduction gear ratios:

- 0,700
- 0,840
- 0,870
- 0,920
- 0,962
- 1,000
- 1,040
- 1,087
- 1,143
- 1,250
- 1,333

6 SPEED GEARBOX RATIOS:

I	2,462	I	3,000	I	3,000	I	3,000	I	3,000	I	3,000	I	3,000	I	3,000
II	1,800	II	2,000	II	2,000	II	2,000	II	2,000	II	2,000	II	2,000	II	1,800
III	1,471	III	1,471	III	1,500	III	1,500	III	1,500	III	1,500	III	1,500	III	1,500
IV	1,250	IV	1,190	IV	1,250	IV	1,190	IV	1,190	IV	1,190	IV	1,190	IV	1,250
V	1,087	V	1,000	V	1,087	V	1,000	V	0,962	V	0,962	V	0,962	V	1,087
VI	0,962	VI	0,875	VI	0,962	VI	0,875	VI	0,833	VI	0,760	VI	0,760	VI	0,962

Transfer or reduction gear ratios:

- 0,700
- 0,840
- 0,870
- 0,920
- 0,962
- 1,000
- 1,040
- 1,087
- 1,143
- 1,250
- 1,333



4WD Samsonas Trans Axle 4WDX Gearbox

ADVANTAGES OF THE 4WDX:

- compactness, which means minimum work on car body and tunnel.
- front flange exits only 120mm from main gearbox casing, and 235mm from car center.
- rear propshaft exits with zero angle and on same line as differential flange.
- XLA version. Active electric center differential. Rally, circuit.
- XLP version. Limited slip plated center differential. AutoCross, RallyCross, Rally-Raid. (RallyRaid option has mechanical oil pump and lock function)
- XLL version. Fully locked center differential with option to unlock front wheels. Drag.

OTHER SPECIFICATIONS:

- Can be adopted to any engine.
- Can be moved backwards if requested so.
- Has internal oil spray system.
- 5 or 6 speed.
- Billet cnc machined aluminium casings.
- 1400Nm torque capacity.
- Transfer gear.
- FR/RR axle speed sensors.
- Left or Right side position.





4 SPEED GEARBOX RATIOS:

I 2,462	I 3,000
II 1,800	II 2,000
III 1,471	III 1,500
IV 1,250	IV 1,190

Transfer or reduction gear ratios:

▪ 0,700	▪ 1,000
▪ 0,840	▪ 1,040
▪ 0,870	▪ 1,087
▪ 0,920	▪ 1,143
▪ 0,962	▪ 1,250

5 SPEED GEARBOX RATIOS:

I 2,462	I 3,000	I 3,000	I 3,000
II 1,800	II 2,000	II 1,800	II 2,000
III 1,471	III 1,500	III 1,250	III 1,500
IV 1,250	IV 1,190	IV 1,000	IV 1,250
V 1,087	V 1,000	V 0,833	V 1,087

Transfer or reduction gear ratios:

▪ 0,700
▪ 0,840
▪ 0,870
▪ 0,920
▪ 0,962
▪ 1,000
▪ 1,040
▪ 1,087
▪ 1,143
▪ 1,250

I 2,462	I 3,000
II 1,800	II 2,000
III 1,250	III 1,500
IV 1,000	IV 1,190
V 0,833	V 0,962

6 SPEED GEARBOX RATIOS:

I 2,462	I 3,000	I 3,000	I 3,000
II 1,800	II 2,000	II 2,000	II 2,000
III 1,471	III 1,471	III 1,500	III 1,500
IV 1,250	IV 1,190	IV 1,250	IV 1,190
V 1,087	V 1,000	V 1,087	V 1,000
VI 0,962	VI 0,875	VI 0,962	VI 0,875
I 3,000	I 3,000	I 3,000	
II 2,000	II 2,000	II 1,800	
III 1,500	III 1,500	III 1,500	
IV 1,190	IV 1,190	IV 1,250	
V 0,962	V 0,962	V 1,087	
VI 0,833	VI 0,760	VI 0,962	

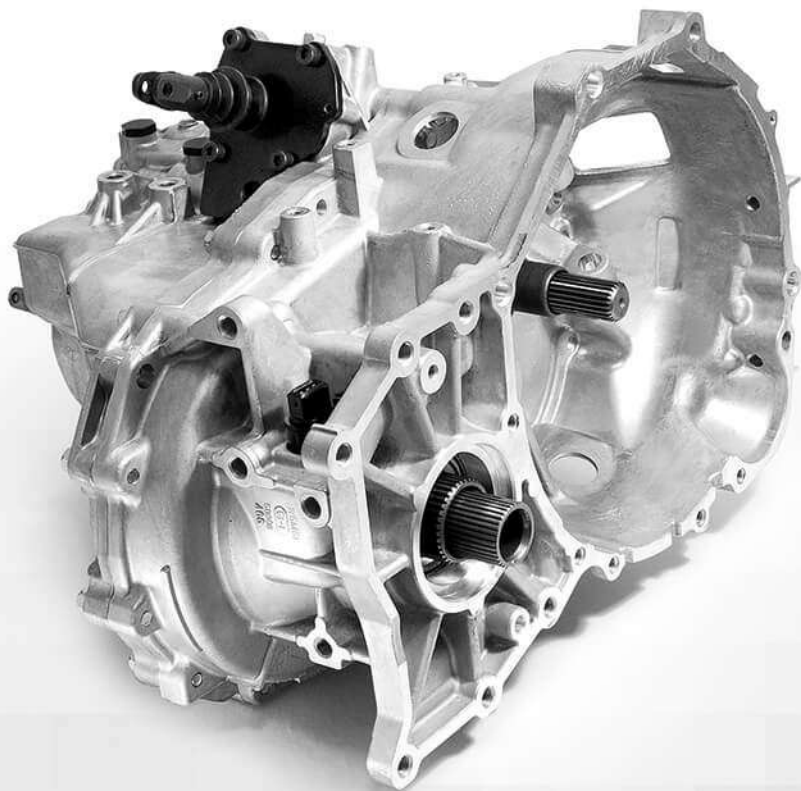
Transfer or reduction gear ratios:

▪ 0,700
▪ 0,840
▪ 0,870
▪ 0,920
▪ 0,962
▪ 1,000
▪ 1,040
▪ 1,087
▪ 1,143
▪ 1,250



Mitsubishi Lancer EVO 4/5/6/7/8/9

Sequential dogbox kit



This gear kit is designed for Mitsubishi Lancer EVO 4/5/6/7/8/9 and can be assembled to original stock housing with minor modifications. It can be used in rally, drag race, rally cross, hill climb, street racing and similar. We can offer few ratio versions with many additional final drives, while your desired ratios will be considered. This gear kit is a synergy of our many years' experience and all the latest technology.

KIT CONTAINS:

- Gears of highest quality and forged steel.
- New type straight cut and special profile teeth for minimum rolling resistance and maximum strength.
- All shift system is made from billet steel for maximum reliability.
- Two ratio versions.
- Big choice of final drives.
- Custom ratios possible.

RATIOS:

I	3,000
II	2,000
III	1,470
IV	1,110
V	0,870

ADDITIONAL RATIOS:

I	2,429	2,615
II	1,800	1,800
III	1,444	1,444
IV	1,190	1,190
V	1,000	1,000

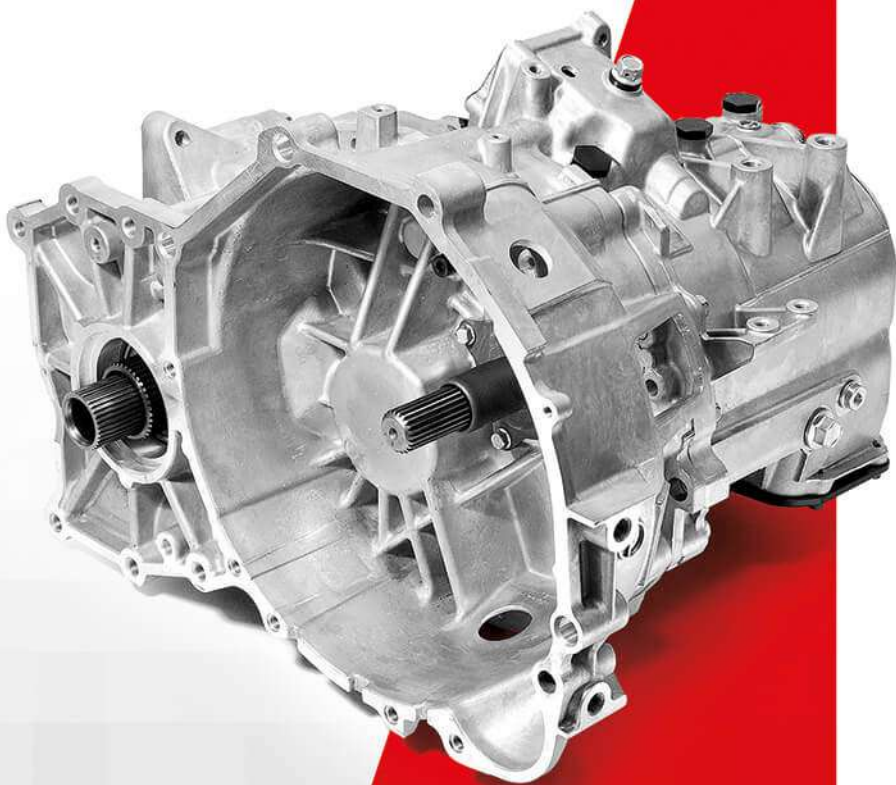
I	2,429	2,615
II	1,800	1,800
III	1,333	1,333
IV	1,040	1,040
V	0,870	0,870

FINAL DRIVES:

- 3,688
- 3,857
- 4,142
- 4,308
- 4,500
- 4,917



Mitsubishi Lancer EVO 4/5/6/7/8/9 dogbox kit



This gear kit is designed for Mitsubishi Lancer EVO 4/5/6/7/8/9. It is homologated to N group and mostly used in rally. It also can be used in drag race, rally cross, hill climb, street racing and similar, as we can offer short ratio version with many additional final drives. These gear kits are a synergy of our many years experience and all the latest technology.

KIT CONTAINS:

- Gears of highest quality and forged steel.
- New type straight cut and special profile teeth for minimum rolling resistance and maximum strength.
- All selectors, shifting fingers, protections, forks, rods are made from billet steel for maximum reliability.
- Additional short ratio version.
- Big choice of final drives.

RATIOS:

I	3,000
II	2,000
III	1,470
IV	1,111
V	0,857
FD	4,308

ADDITIONAL RATIOS:

I	2,429
II	1,800
III	1,444
IV	1,190
V	1,000
I	2,429
II	1,800
III	1,333
IV	1,040
V	0,857

FINAL DRIVES:

- 3,688
- 3,857
- 4,142
- 4,308
- 4,500
- 4,917

Mitsubishi Lancer EVO 10 Sequential dogbox kit



This gear kit is designed for Mitsubishi Lancer EVO 10 and can be assembled to original stock housing with minor modifications. It can be used in rally, drag race, rally cross, hill climb, street racing and similar. We can offer few ratio versions with many additional final drives, while your desired ratios will be considered. This gear kit is a synergy of our many years' experience and all the latest technology.

KIT CONTAINS:

- Gears of highest quality and forged steel.
- New type straight cut and special profile teeth for minimum rolling resistance and maximum strength.
- All shift system is made from billet steel for maximum reliability.
- Extra steel bracket for shaft connection.
- Two ratio versions.
- Big choice of final drives.
- Custom ratios possible.

RATIOS:

I	3,000
II	2,000
III	1,470
IV	1,110
V	0,870

ADDITIONAL RATIOS:

I	2,429	2,615
II	1,800	1,800
III	1,444	1,444
IV	1,190	1,190
V	1,000	1,000
I	2,429	2,615
II	1,800	1,800
III	1,333	1,333
IV	1,040	1,040
V	0,870	0,870

FINAL DRIVES:

- 3,857
- 4,142
- 4,308
- 4,500
- 4,917



Mitsubishi Lancer EVO 10 dogbox kit

This gear kit is designed for Mitsubishi Lancer EVO 10. It is our second version, developed after 4 years of running with first version. It is completely new gear kit, with all new gears, new gear system, new selector system, new reverse system, making this kit best on the market. It is homologated to N group and used in rally. It also can be used in drag race, rally cross, hill climb, street racing and similar, as we can offer short ratio version with many additional final drives.

KIT CONTAINS:

- Gears of highest quality and forged steel.
- New type straight cut and special profile teeth for minimum rolling resistance and maximum strength.
- All selectors, shifting fingers, protections, forks, rods are made from billet steel for maximum reliability.
- Extra steel bracket for shaft connection.
- Additional short ratio version.
- Big choice of final drives.

RATIOS:

I 3,000
II 2,000
III 1,470
IV 1,136
V 0,893
FD 4,308

FINAL DRIVES:

- 3,857
- 4,142
- 4,308
- 4,500
- 4,917



Samsonas Motorsport Suspensions

With 20 years experience of racing shocks rebuilds and servicing, Samsonas Motorsport has launched a new department for manufacture of racing suspension. As almost all modern shocks are very high level of performance, our goal is top quality and top speed service for reasonable price. Our current product range is 3way (Rebound, High Speed, Low Speed) Rally gravel and Rally tarmac shocks. Both versions may have hydraulic bump stop function. Front dampers are flyaway tank type, rear ones flyaway tank or piggyback tank types.

OUR CURRENT RANGE:

BMW E30, E36, E46, Subaru Impreza GC8, GDB, VAF, Mitsubishi Lancer EVO 9 & 10, Honda B16, EP3, FN2, Ford Escort MKII, VW Polo/Golf, or any custom build.

MITSUBISHI LANCER EVO (IV - IX / X)

3way (High/Low Speed compression and Rebound, HydroStop)
TARMAC-GRAVEL RALLY, CIRCUIT

SUBARU IMPREZA STI (GC8 / N10 / N12 / N14 up)

3way (High/Low Speed compression and Rebound, HydroStop)
TARMAC-GRAVEL RALLY, CIRCUIT

FORD ESCORT (MKI / MKII)

3way (High/Low Speed compression and Rebound, HydroStop)
TARMAC-GRAVEL RALLY, CIRCUIT





BMW (E30 / E36 / E46 / E90 / E92)
3way (High/Low Speed compression and Rebound, HydroStop)
TARMAC-GRAVEL RALLY, CIRCUIT

HONDA CIVIC (B series / EP3 / FN2)
3way (High/Low Speed compression and Rebound, HydroStop)
TARMAC-GRAVEL RALLY, CIRCUIT

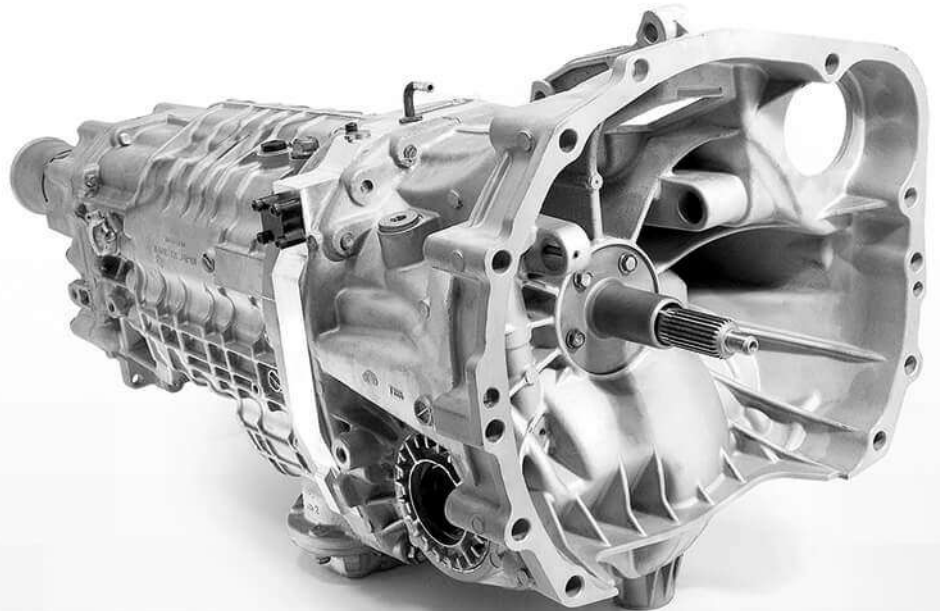


Subaru Impreza STI 5 & 6 speed dogbox kit

These gear kits are designed for all Subaru Impreza STI cars starting from 2002 till nowadays. They are homologated to N group and designed for use in rally. It also can be used drag race, rally cross, hill climb, street racing and similar, as we can offer many short or long gear ratio versions. These gear kits are a synergy of our many years experience and all the latest technology.

KIT CONTAINS:

- Gears of highest quality and forged steel.
- Straight cut and special profile teeth for minimum rolling resistance and maximum strength.
- New type gears with 5 dogs for a faster and better gear switching.
- All selectors, shifting fingers, protections, forks, rods are made from billet steel for maximum reliability.
- Additional 4 or 5 or 6 speed short or long ratio versions.



5 SPEED ADDITIONAL RATIOS:

Close ratio	Long ratio	I	II	III	IV	V	VI
I 3,333	I 3,333	I 2,818	II 2,000	III 1,412	IV 1,040	V 0,808	VI 0,679
II 2,385	II 2,385	II 2,385	III 1,750	IV 1,333	V 1,040		
III 1,800	III 1,800						
IV 1,471	IV 1,278						
V 1,200	V 0,950						
VI 1,040							
	I 2,900						
I 2,500	II 2,000						
II 1,800	III 1,533						
III 1,412	IV 1,263						
IV 1,158	V 1,040						
	VI 0,900						

Grn Ratios:

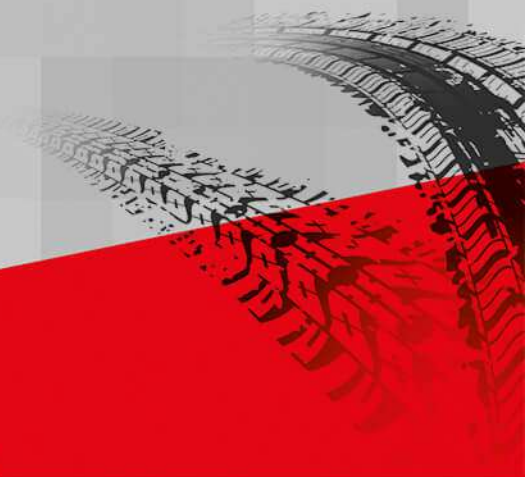
I 3,333
II 2,385
III 1,750
IV 1,333
V 1,040

6 SPEED ADDITIONAL RATIOS:

Close ratio	Long ratio	I	II	III	IV	V	VI
I 3,333	I 3,333	I 2,818	II 2,000	III 1,412	IV 1,040	V 0,808	VI 0,679
II 2,385	II 2,385	II 2,385	III 1,762	IV 1,346	V 1,063	VI 0,842	
III 1,800	III 1,800						
IV 1,471	IV 1,278						
V 1,200	V 0,950						
VI 1,040							
	I 2,900						
I 2,500	II 2,000						
II 1,800	III 1,533						
III 1,412	IV 1,263						
IV 1,158	V 1,040						
	VI 0,900						

Grn Ratios:

I 3,636
II 2,375
III 1,762
IV 1,346
V 1,063
VI 0,842



Subaru Impreza STI Sequential dogbox kit



This gear kit is designed for Subaru Impreza STI cars and can be assembled to original stock housing with minor modifications.

It can be used in rally, circuit, drag race, rally cross, hill climb, street racing and similar.

We can offer few ratio versions, while your desired ratios will be considered.

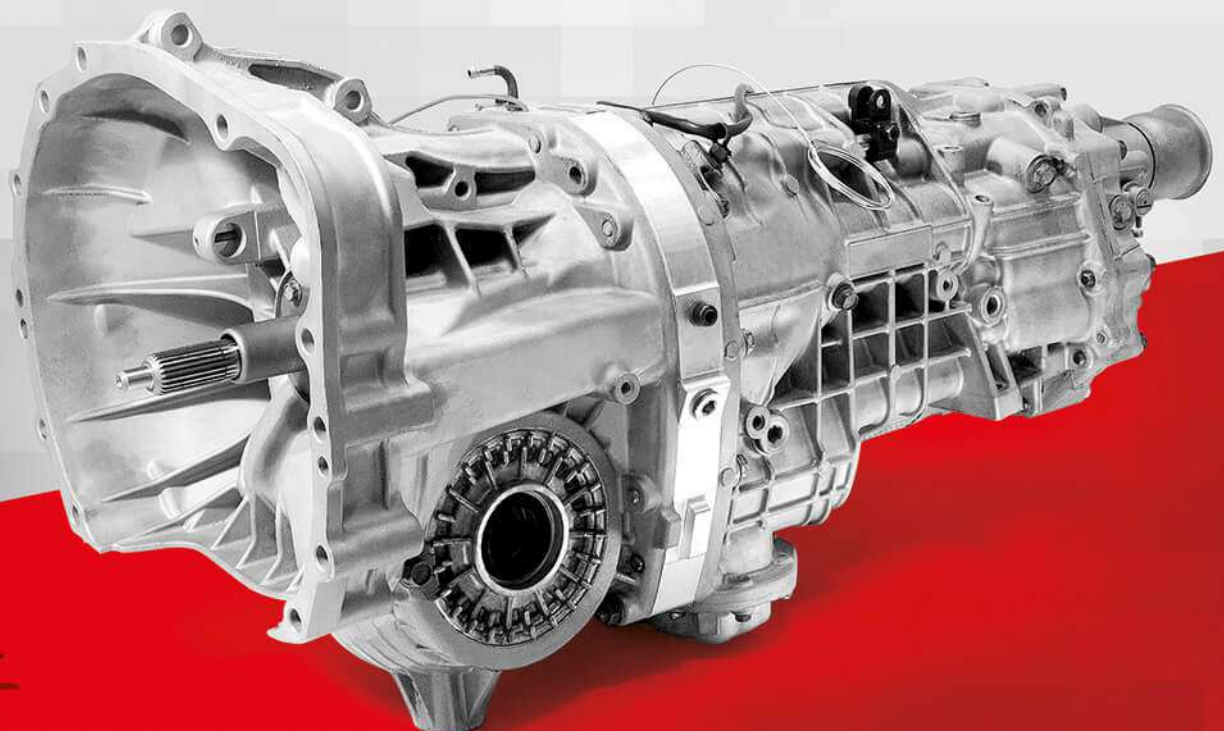
This gear kit is a synergy of our many years' experience and all the latest technology.

KIT CONTAINS:

- Gears of highest quality and forged steel.
- New type straight cut and special profile teeth for minimum rolling resistance and maximum strength.
- Special design 5 dogs to make gear shifting on high revs easy and smooth.
- All selectors, shifting fingers, protections, forks, rods are made from billet steel for maximum reliability.

RATIOS:

I 2,818	I 3,333	I 2,800		
II 2,000	II 2,384	II 2,000		
III 1,500	III 1,800	III 1,500		
IV 1,190	IV 1,471	IV 1,190		
V 1,000	V 1,250	V 0,962		
VI 0,875	VI 1,087	VI 0,760		
			I 2,800	
			II 2,000	I 3,333
			III 1,500	II 2,384
			IV 1,190	III 1,750
			V 0,962	IV 1,330
			VI 0,833	V 1,042



BMW M3 E30 dogbox kit

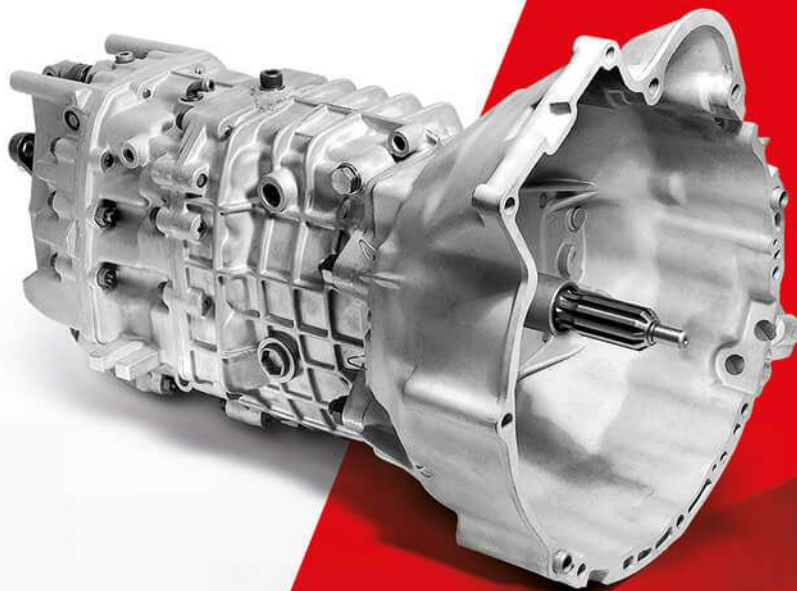
For BMW M3 E30 we have two options.
One kit is homologated to group A.
It is used in races where homologation is still
needed. Other kit is less expensive and has
non homologated ratios.
It is used rally and circuit/endurance races.
It also can be used drag race, rally cross, hill
climb, street racing and other disciplines.

KIT CONTAINS:

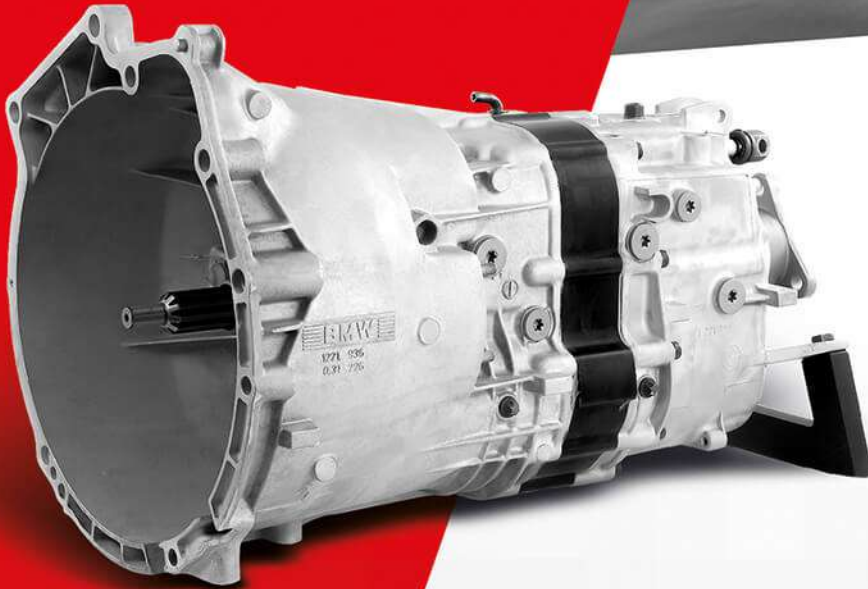
- Gears of highest quality and forged steel.
- New type straight cut and special profile teeth for minimum rolling resistance and maximum strength.
- Special design 5 dogs to make gear shifting on high revs easy and smooth.
- All selectors, shifting fingers, protections, forks, rods are made from billet steel for maximum reliability.

M3 E30 RATIOS: M3 E30 GR. A HOMOLOGED RATIOS:

I 2,615	I 2,449	32/15
II 1,938	II 1,913	30/18
III 1,563	III 1,579	33/24
IV 1,316	IV 1,332	29/25
V 1,136	V 1,148	24/24
VI 1,000	VI 1,000	-
	R 2,448	32/15
	C 1,148	31/27



BMW M3 E36/E46 6 speed dogbox kit



New 6 speed dogbox for all 6 cylinder BMW, capable to hold lots of power. Middle plate with bearings to connect shafts, new surface and profile big teeth, clutch shaft made from special driveshaft steel, and additional transfer gears to adjust your top speed makes this gearbox one of the best products for your BMW. Suitable for any power turbo charged cars, drag, hillclimb, circuit, rally or any other motorsport discipline. It is designed to fit into 5 speed ZF S5D gearbox. Aluminium plate with NJ207 bearings makes this gearbox 52mm longer than stock ZF S5D and 50 mm shorter than 6 speed Getrag S6S.

2 RATIO VERSIONS AVAILABLE:

I	2,500	2,500	Drag/Drift
II	1,800	2,000	I 2.900
III	1,438	1,500	II 1.800
IV	1,235	1,177	III 1.294
V	1,111	1,000	IV 1.000
VI	1,000	0,870	V 0.800

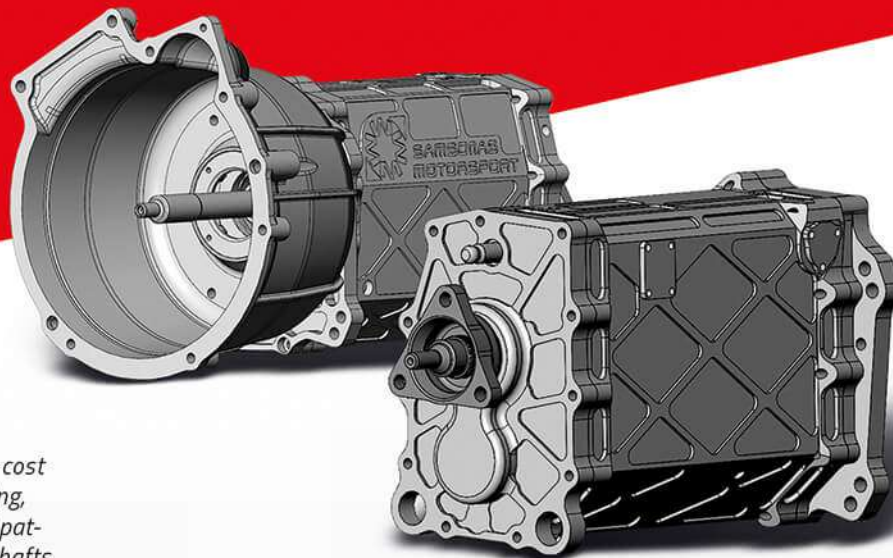
TRANSFER GEARS:

I	0,870	1,190
II	0,941	1,250
III	1,000	1,350
IV	1,090	1,500
V	1,150	

**On request we can make any transfer gears at no extra cost.*



Universal RWD H pattern RWDH Gearbox



Utilising same strength ingredients as the RWD Sequential, this is a lower cost transmission without sequential shifting, but with the well known and tested H pattern shifting. Bellhousings and Clutchshafts are easily interchangeable between the Sequential and H pattern, allowing you to upgrade at any time.

4 SPEED GEARBOX RATIOS:

I 2,462	I 3,000	I 2,462
II 1,800	II 2,000	II 1,647
III 1,471	III 1,500	III 1,250
IV 1,250	IV 1,190	IV 1,000

Transfer or reduction gear ratios:

- 0,700
- 0,840
- 0,870
- 0,920
- 0,962
- 1,000
- 1,040
- 1,087
- 1,143
- 1,250
- 1,333

5 SPEED GEARBOX RATIOS:

I 2,462	I 3,000	I 3,000	I 3,000
II 1,800	II 2,000	II 1,800	II 2,000
III 1,471	III 1,500	III 1,250	III 1,500
IV 1,250	IV 1,190	IV 1,000	IV 1,250
V 1,087	V 1,000	V 0,833	V 1,087

I 2,462	I 3,000	I 2,462
II 1,800	II 2,000	II 1,647
III 1,250	III 1,500	III 1,250
IV 1,000	IV 1,190	IV 1,000
V 0,833	V 0,962	V 0,875

Transfer or reduction gear ratios:

- 0,700
- 0,840
- 0,870
- 0,920
- 0,962
- 1,000
- 1,040
- 1,087
- 1,143
- 1,250
- 1,333

6 SPEED GEARBOX RATIOS:

I 2,462	I 3,000	I 3,000	I 3,000
II 1,800	II 2,000	II 2,000	II 2,000
III 1,471	III 1,471	III 1,500	III 1,500
IV 1,250	IV 1,190	IV 1,250	IV 1,190
V 1,087	V 1,000	V 1,087	V 1,000
VI 0,962	VI 0,875	VI 0,962	VI 0,875

I 3,000	I 3,000	I 3,000
II 2,000	II 2,000	II 1,800
III 1,500	III 1,500	III 1,500
IV 1,190	IV 1,190	IV 1,250
V 0,962	V 0,962	V 1,087
VI 0,833	VI 0,760	VI 0,962

Transfer or reduction gear ratios:

- 0,700
- 0,840
- 0,870
- 0,920
- 0,962
- 1,000
- 1,040
- 1,087
- 1,143
- 1,250
- 1,333

Honda EP3/DC5/FN2 dogbox kit

This gear kit is designed for Honda EP3, DC5 and FN2 gearboxes. It has our own unique design, often used in rally in national classes and mostly used in circuit/endurance races. It also can be used in drag race, rally cross, hill climb, street racing and other disciplines, as we can offer many additional final drives.

KIT CONTAINS:

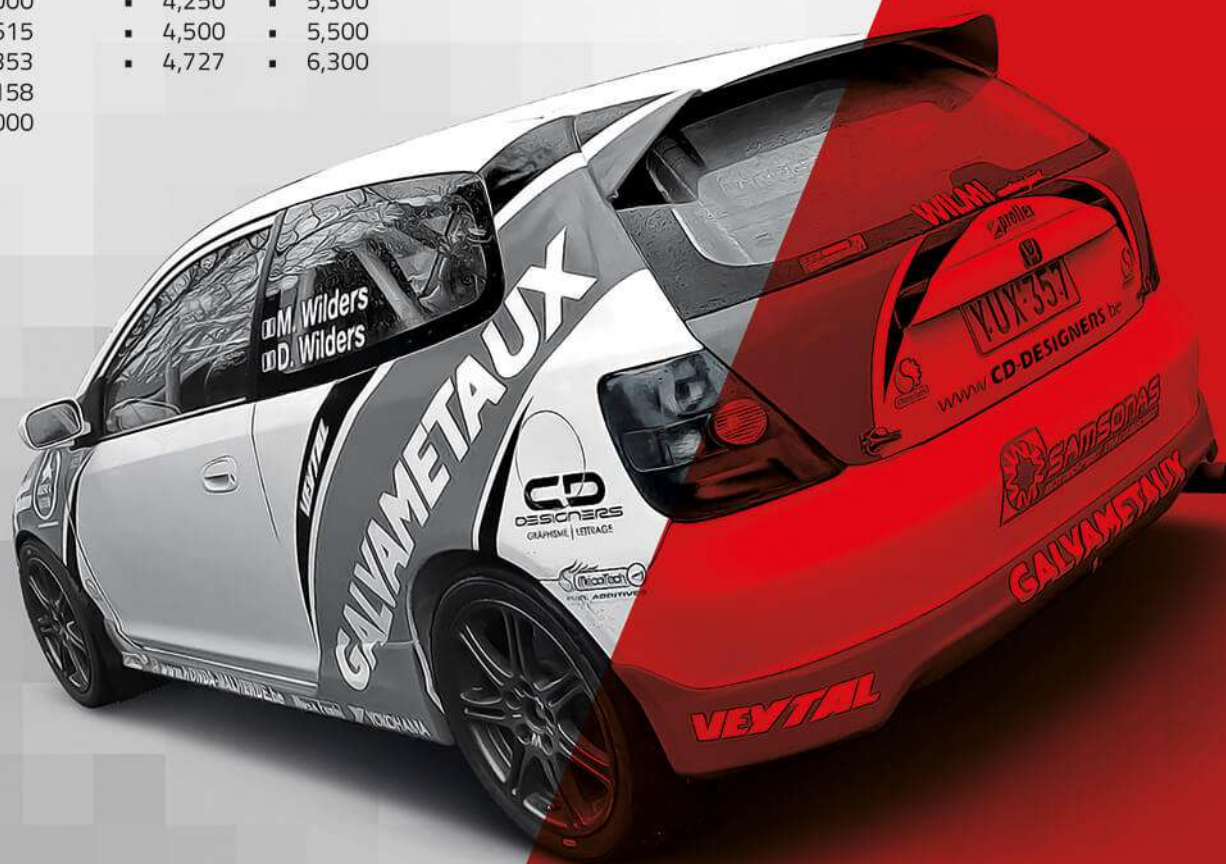
- New type straight cut and special profile teeth for minimum rolling resistance and maximum strength.
- Special design 5 dogs to make gear shifting on high revs easy and smooth.
- All selectors, shifting fingers, protections, forks, rods are made from billet steel for maximum reliability.
- Big choice of final drives.

RATIOS:

I	2,636
II	2,000
III	1,615
IV	1,353
V	1,158
VI	1,000

FINAL DRIVES:

▪ 4,067	▪ 4,909
▪ 4,250	▪ 5,300
▪ 4,500	▪ 5,500
▪ 4,727	▪ 6,300



4WD Samsonas Nissan GTR Gearbox

KIT CONTAINS:

- 4, 5, 6 speed (plus reverse) full sequential gearboxes;
- solid aluminium casing;
- has a transfer or reduction gear;
- torque rating up to 1400 Nm, depending on options;
- special steel X300 clutch shaft;
- straight cut teeth, 5 dogs design;
- designed for Nissan GTR R32/R33/R34;
- dry weight 38 kg;
- drift, drag, rally, rally raid, rally cross, circuit.

4 SPEED GEARBOX RATIOS:

I	2,462	I	3,000
II	1,800	II	2,000
III	1,471	III	1,500
IV	1,250	IV	1,190

Transfer or reduction gear ratios:

- 0,700
- 0,840
- 0,870
- 0,920
- 0,962
- 1,000
- 1,040
- 1,087
- 1,143
- 1,250
- 1,333



5 SPEED GEARBOX RATIOS:

I 2,462	I 3,000	I 3,000	I 3,000
II 1,800	II 2,000	II 1,800	II 2,000
III 1,471	III 1,500	III 1,250	III 1,500
IV 1,250	IV 1,190	IV 1,000	IV 1,250
V 1,087	V 1,000	V 0,833	V 1,087
I 2,462	I 3,000	I 2,462	
II 1,800	II 2,000	II 1,647	
III 1,250	III 1,500	III 1,250	
IV 1,000	IV 1,190	IV 1,000	
V 0,833	V 0,962	V 0,875	

Transfer or reduction gear ratios:

- 0,700
- 0,840
- 0,870
- 0,920
- 0,962
- 1,000
- 1,040
- 1,087
- 1,143
- 1,250
- 1,333



6 SPEED GEARBOX RATIOS:

I 2,462	I 3,000	I 3,000	I 3,000	I 3,000	I 3,000	I 3,000
II 1,800	II 2,000	II 2,000	II 2,000	II 2,000	II 2,000	II 1,800
III 1,471	III 1,471	III 1,500	III 1,500	III 1,500	III 1,500	III 1,500
IV 1,250	IV 1,190	IV 1,250	IV 1,190	IV 1,190	IV 1,190	IV 1,250
V 1,087	V 1,000	V 1,087	V 1,000	V 0,962	V 0,962	V 1,087
VI 0,962	VI 0,875	VI 0,962	VI 0,875	VI 0,833	VI 0,760	VI 0,962

Transfer or reduction gear ratios:

- 0,700
- 0,840
- 0,870
- 0,920
- 0,962
- 1,000
- 1,040
- 1,087
- 1,143
- 1,250
- 1,333



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AUGUST 2018

SAMSONASRALLY.COM

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