

Stroke	Pin Size	Main Size		Availability	Part #
4G63: Older Evo / Eclipse, Talon Turbo					
Compstar					
88mm	45mm	ishi 4G63 (€	Compstar	In Process	S23001
88mm	45mm	ishi 4G63 (€	Compstar	In Stock	S23002
94mm	45mm	ishi 4G63 (€	Compstar	In Stock	S23003
100mm	45mm	ishi 4G63 (€	Compstar	In Stock	S23007
100mm	45mm	ishi 4G63 (€	Compstar	In Stock	S23008
102mm	45mm	ishi 4G63 (€	Compstar	In Stock	S23009
88mm	45mm	ishi 4G63 (€	Compstar	In Process	S23013
100mm	45mm	ishi 4G63 (€	Compstar	In Stock	S23015

4G63: Older Evo / Eclipse, Talon Turbo - FULL CTWT					
Compstar					
88mm	45mm	ishi 4G63 (€	Compstar	In Stock	S23017
94mm	45mm	ishi 4G63 (€	Compstar	In Process	S23018
100mm	45mm	ishi 4G63 (€	Compstar	In Stock	S23019

Big Block Chevy					
Compstar					
3.760	2.200	GM Big Block - 2.750	Compstar	In Stock	BB3-425-CS
4.000	2.200	GM Big Block - 2.750	Compstar	In Stock	BB0-425-CS
4.250	2.200	GM Big Block - 2.750	Compstar	In Stock	BBP-425-CS
4.250	2.200	GM Big Block - 2.750	Compstar	In Stock	BBP-42C-CS
4.250	2.000	GM Big Block - 2.750	Compstar	In Process	BBP-445-CS
4.250	2.200	GM Big Block - 2.750	Compstar	1 Pc Seal In Stock	IBP-425-CS
4.500	2.200	GM Big Block - 2.750	Compstar	In Stock	BBQ-425-CS
4.750	2.200	GM Big Block - 2.750	Compstar	In Stock	BBS-425-CS
5.375	2.200	GM Big Block - 2.750	Compstar	In Stock	BQ@-426-CS
5.500	2.200	GM Big Block - 2.750	Compstar	In Stock	BQ+-426-CS

Compstar Engine Builder					
4.625	2.200	GM Big Block - 2.750	Compstar Engine Builder	In Stock	BBR-425-CE
4.750	2.200	GM Big Block - 2.750	Compstar Engine Builder	In Process	BBS-425-CE

Compstar Mercury HP 8.0L					
4.250	2.200	GM Big Block - 2.750	Compstar Mercury HP 8.0L	1 Pc Seal In Process	IBP-425-C8

Magnum M2					
3.650	2.200	(409) GM Big Block Main - 2.497	Magnum	In Process	BB4282B-M2
4.000	2.200	GM Big Block - 2.750	Magnum	In Process	BB0-42B-M2
4.250	2.374	GM Big Block - 2.750	Magnum	In Stock	BBP-45B-M2
4.250	2.200	GM Big Block - 2.750	Magnum	1 Pc Seal In Process	IBP-42B-M2
4.625	2.200	GM Big Block - 2.750	Magnum	In Stock	BBR-42B-M2
4.750	2.200	GM Big Block - 2.750	Magnum	In Process	BBS-42B-M2

Magnum XL

Stroke	Pin Size	Main Size		Availability	Part #
3.650	2.200	(409) GM Big Block Main - 2.497	Magnum XL	In Process	BLZ-82B-XL

Stock Eliminator

3.779	2.200	(409) GM Big Block Main - 2.497	Stock Eliminator	In Stock	BB1582B-SE
-------	-------	---------------------------------	------------------	----------	------------

Ultra Billet

6.000	2.197	GM Big Block - 2.750	Ultra Billet	In Stock	B5234R@-UL
6.000	2.197	BB Chevy Pro-Mod-Noonan- 481x - 2.747	Ultra Billet	In Stock	B523PM@-UL
6.000	2.197	BB Chevy Pro-Mod-Noonan- 481x - 2.747	Ultra Billet	In Process	B523PR@-UL
6.100	2.197	BB Chevy Pro-Mod-Noonan- 481x - 2.747	Ultra Billet	In Process	B549PM@-UL

Ultra Boost

4.000	2.197	BB Chevy Pro-Mod-Noonan- 481x - 2.747	Ultra Boost	In Stock	BQO-PR@-UB
4.125	2.200	GM Big Block - 2.750	Ultra Boost	In Process	BBU-42@-UB
4.750	2.197	BB Chevy Pro-Mod-Noonan- 481x - 2.747	Ultra Boost	In Stock	BQS-PR@-UB
4.875	2.197	BB Chevy Pro-Mod-Noonan- 481x - 2.747	Ultra Boost	In Stock	BQI-PR@-UB

Big Block Mopar Compstar

3.760	2.374	Chrysler Hemi - 2.750	Compstar	In Stock	GE3-65L-CS
4.150	2.200	Chrysler Hemi - 2.750	Compstar	In Stock	GE2-62L-CS
4.500	2.200	Chrysler Hemi - 2.750	Compstar	In Stock	GEQ-62L-CS
4.625	2.200	Chrysler Hemi - 2.750	Compstar	In Process	GER-62L-CS

Magnum

5.000	2.200	Chrysler Hemi - 2.750	Magnum	In Stock	GEV-62K-MG
-------	-------	-----------------------	--------	----------	------------

Magnum Style Billet

4.500	2.374	Chrysler Hemi - 2.750	Magnum Style Billet	In Stock	FEQ-65@-MB
-------	-------	-----------------------	---------------------	----------	------------

Chrysler Viper V-10 Compstar

3.960	2.100	Chrysler V-10 Viper - 3.000	Compstar	In Stock	KV3291H-CS
4.200	2.100	Chrysler V-10 Viper - 3.000	Compstar	In Stock	KV1291H-CS
4.200	2.100	Chrysler V-10 Viper - 3.002	Compstar	In Stock	KV12J1H-CS

Duramax Compstar

3.898	2.480	Duramax - 3.146		In Process	*D333M81-C7
3.898	2.480	Duramax - 3.146	Compstar	In Process	D333M81-CS

Magnum Style Billet

3.898	2.480	Duramax - 3.146	Magnum Style Billet	In Process	D333MU@-MB
-------	-------	-----------------	---------------------	------------	------------

Ultra Billet

Stroke	Pin Size	Main Size		Availability	Part #
3.650	2.480	Duramax - 3.146	Ultra Billet	In Stock	D342MU@-UL
3.898	2.374	Duramax - 3.146	Ultra Billet	In Stock	D333M5@-UL

Ford Compstar

3.250	2.123	302 Ford - 2.249	Compstar	In Stock	UJE-0BM-CS
-------	-------	------------------	----------	----------	------------

Ilmor Lanzante Billet

2.868	1.850	302 Ford - 2.249	Ilmor Lanzante Billet	In Stock	UJZ-0Q@-IL
-------	-------	------------------	-----------------------	----------	------------

Magnum

4.300	2.200	Ford 460 - 3.000	Magnum	In Stock	994-H29-MG
-------	-------	------------------	--------	----------	------------

Magnum M2

2.870	2.100	302 Ford - 2.249	Magnum	In Stock	UJ3101T-M2
2.870	2.123	302 Ford - 2.249	Magnum	In Stock	UJ310BT-M2
3.400	2.123	302 Ford - 2.249	Magnum	In Process	UJW-0BV-M2
3.976	2.086	Ford - 2.657	Magnum	In Process	8RZ-BOV-M2
4.125	2.100	Ford - 2.657	Magnum	In Process	8RU-B1V-M2
4.375	2.100	Ford - 2.657	Magnum	In Process	8RB-B1V-M2
4.600	2.100	Ford - 2.657	Magnum	In Process	8R45B1V-M2

Magnum Style Billet

4.150	2.200	Ford 460 - 3.000	Magnum Style Billet	In Stock	9G2-H2@-MB
4.300	2.200	Ford 460 - 3.000	Magnum Style Billet	In Stock	9G4-H2@-MB

Magnum XL

3.400		302 Ford - 2.249	Magnum XL	In Stock	EDW-0ZT-XL
-------	--	------------------	-----------	----------	------------

Ultra Billet

4.600	2.100	351 Ford - 2.750	Ultra Billet	In Stock	EF4571@-UL
-------	-------	------------------	--------------	----------	------------

Ultra Boost

3.840	2.200	Ford - 2.657	Ultra Boost	In Process	8RZ-BXV-UB
4.250	2.000	351 Ford - 2.750	Ultra Boost	In Stock	EFP-74@-UB

Ultra Dirt

4.000	2.000	351 Ford - 2.750	Ultra Dirt	In Stock	EFO-7P@-UD
4.250	2.000	351 Ford - 2.750	Ultra Dirt	In Stock	EFP-74V-UD

Ford 4 Cylinder Compstar

81.4mn	44mm	EcoBoost 4	Compstar	In Process	S24001
91.4mn	44mm	EcoBoost 4	Compstar	In Process	S24008

Ford 4.6L Compstar

89.9mn	53mm	Ford Modula	Compstar	In Process	S24014
--------	------	-------------	----------	------------	--------

Stroke	Pin Size	Main Size		Availability	Part #
95.25m	50.8mm		Ford Modula	Compstar	In Process S24015
96.52m	50.8mm		Ford Modula	Compstar	In Process S24016

**Ford 6 Cylinder
Compstar**

86.7mn	56mm		Ford Boost 3.	Compstar	In Stock S24002
91.44m	56mm		Ford Boost 3.	Compstar	In Stock S24007

**Ford Coyote
Compstar**

3.650	2.086	Ford - 2.657		Compstar	In Process 2242BTL-CS
3.900	2.000	Ford - 2.657		Compstar	In Stock 22C-B4L-CS
3.900	1.888	Ford - 2.657		Compstar	In Stock 22C-B9L-CS

**Ford RS
Ford Modified - Heavy**

3.701	2.086	52mm - 2.047	Ford Modified - Heavy		In Process QH47KTO-FH
-------	-------	--------------	-----------------------	--	-----------------------

Ford Modified 2-Full Lighten

3.701	2.086	52mm - 2.047	Ford Modified 2-Full Lighten		In Process QH47KTO-F2
-------	-------	--------------	------------------------------	--	-----------------------

**Honda B18
Compstar**

92mm	45mm		Honda	Compstar	In Stock S22001
87.2mn	45mm		Honda	Compstar	In Stock S22008
89mm	45mm		Honda	Compstar	In Stock S22009

**Honda F
Compstar**

84mm	48mm		Honda	Compstar	In Stock S22007
------	------	--	-------	----------	-----------------

**Honda K20
Compstar**

99.9mn	45mm		Honda	Compstar	In Stock S22004
106mm	45mm		Honda	Compstar	In Stock S22005
102mm	45mm		Honda	Compstar	In Stock S22006

**LSX
Compstar**

3.625	2.100	LS-1 GM Small Block - 2.559		Compstar	In Stock 5TH-31Q-CS
3.625	2.100	LS-1 GM Small Block - 2.559		Compstar	In Stock 5UH-31Q-CS
3.625	2.100	LS-1 GM Small Block - 2.559		Compstar	In Stock APH-317-CS
3.625	2.100	LS-1 GM Small Block - 2.559		Compstar	In Stock APH-31Q-CS
3.625	2.100	LS-1 GM Small Block - 2.559		Compstar	In Process AWH-31Q-CS

Stroke	Pin Size	Main Size		Availability	Part #
3.750	2.100	LS-1 GM Small Block - 2.559	Compstar	In Stock	5UJ-31Q-CS
3.900	2.100	LS-1 GM Small Block - 2.559	Compstar	In Stock	APC-31Q-CS
4.000	2.100	LS-1 GM Small Block - 2.559	Compstar	In Stock	5TO-31Q-CS
4.000	2.100	LS-1 GM Small Block - 2.559	Compstar	In Stock	5UO-31Q-CS
4.000	2.100	LS-1 GM Small Block - 2.559	Compstar	In Process	AP0-31Q-CS
4.000	2.100	LS-1 GM Small Block - 2.559	Compstar	In Stock	AWO-31Q-CS
4.100	2.100	LS-1 GM Small Block - 2.559	Compstar	In Stock	AP&-31Q-CS
4.125	2.100	LS-1 GM Small Block - 2.559	Compstar	In Stock	APU-31Q-CS
4.125	2.100	LS-1 GM Small Block - 2.559	Compstar	In Process	AWU-31Q-CS
4.250	2.100	LS-1 GM Small Block - 2.559	Compstar	In Stock	APP-317-CS

DragonSlayer

3.900	2.000	LS-1 GM Small Block - 2.559	DragonSlayer	In Stock	APC-34T-DS
4.000	2.000	LS-1 GM Small Block - 2.559	DragonSlayer	In Stock	AP0-34T-DS

Magnum

3.625	2.100	LS-1 GM Small Block - 2.559	Magnum	In Process	5ZH-31T-MG
4.000	2.100	LS-1 GM Small Block - 2.559	Magnum	In Process	AWO-31W-MG
4.250	2.000	LS-1 GM Small Block - 2.559	Magnum	In Stock	APP-34T-MG
4.250	2.200	351 Ford - 2.750	Magnum	In Process	APP-7XT-MG

Magnum M2

3.625	2.100	LS-1 GM Small Block - 2.559	Magnum	In Stock	5TH-31T-M2
3.625	2.100	LS-1 GM Small Block - 2.559	Magnum	In Stock	5UH-31W-M2
3.625	2.100	LS-1 GM Small Block - 2.559	Magnum	In Process	AWH-31W-M2
4.000	2.100	LS-1 GM Small Block - 2.559	Magnum	In Process	5TO-31W-M2
4.000	2.000	LS-1 GM Small Block - 2.559	Magnum	In Process	5TO-34W-M2
4.000	2.100	LS-1 GM Small Block - 2.559	Magnum	In Stock	AP0-31W-M2
4.250	2.100	LS-1 GM Small Block - 2.559	Magnum	In Stock	AUP-31T-M2

Magnum XL

4.000	2.000	LS-1 GM Small Block - 2.559	Magnum XL	In Stock	AP0-34T-XL
-------	-------	-----------------------------	-----------	----------	------------

Ultra Billet

3.625	2.100	351 Ford - 2.750	Ultra Billet	In Process	APH-71@-UL
4.600	2.000	LS-1 GM Small Block - 2.559	Ultra Billet	In Process	AWZ-34@-UL
4.625	2.100	351 Ford - 2.750	Ultra Billet	In Process	APR-71@-UL

Mitsubishi 4B11T

Compstar

94mm	52mm	Mitsubishi	Compstar	In Stock	S23004
96mm	52mm	Mitsubishi	Compstar	In Stock	S23005
98mm	52mm	Mitsubishi	Compstar	In Stock	S23006

Mopar New Hemi

Compstar

3.800	2.100	Mopar New Hemi - 2.559	Compstar	In Stock	YYK-E18-CS
4.000	2.100	Mopar New Hemi - 2.559	Compstar	In Stock	YYO-E18-CS

Stroke	Pin Size	Main Size		Availability	Part #
4.000	2.100	Mopar New Hemi - 2.559	Compstar	In Stock	YYO-E1Q-CS
4.050	2.100	Mopar New Hemi - 2.559	Compstar	In Process	YY*-E1Q-CS
4.080	2.100	Mopar New Hemi - 2.559	Compstar	In Process	YYA-E1Q-CS

Ultra Billet

3.500	2.000	Mopar New Hemi - 2.559	Ultra Billet	In Process	YYG-E4@-UL
-------	-------	------------------------	--------------	------------	------------

Ultra Boost

4.400	2.100	Mopar New Hemi - 2.559	Ultra Boost	In Stock	YY59E1@-UB
-------	-------	------------------------	-------------	----------	------------

Mopar Top Fuel

Top Fuel

4.125	2.374	Top Fuel w/.150 rad - 2.750	Top Fuel	In Process	FNU-UY2-TF
4.150	2.374	Top Fuel w/.150 rad - 2.750	Top Fuel	In Process	FN2-UY2-TF
4.500	2.374	Top Fuel w/.150 rad - 2.750	Top Fuel	In Process	F6Q-UYP-TF
4.500	2.374	Top Fuel w/.150 rad - 2.750	Top Fuel	In Stock	F7Q-UY2-TF
4.500	2.374	Top Fuel w/.150 rad - 3.000	Top Fuel	In Stock	FNQ-T7P-TF
4.500	2.374	Top Fuel w/.150 rad - 3.000	Top Fuel	In Stock	FNQ-TYP-TF
4.500	2.374	Top Fuel w/.150 rad - 2.750	Top Fuel	In Stock	FNQ-U7P-TF
4.500	2.374	Top Fuel w/.150 rad - 2.750	Top Fuel	In Stock	FNQ-UY2-TF
4.500	2.374	Top Fuel w/.150 rad - 2.750	Top Fuel	In Process	FNQ-UYZ-TF
4.750	2.374	Top Fuel w/.150 rad - 2.750	Top Fuel	In Process	FNS-UY2-TF

Navistar DT466

Ultra Boost

135.89i	76.12mm	Navistar	Ultra Boost	In Process	S30000
146.05i	76.12mm	Navistar	Ultra Boost	In Process	S30001
127mm	76.12mm	Navistar	Ultra Boost	In Process	S30002

Nissan GTR

Ultra Billet

3.480	2.200	Nissan GTR - 2.558	Ultra Billet	In Stock	VIF-NI@-UL
3.717	2.200	Nissan GTR - 2.558	Ultra Billet	In Process	VI43NI@-UL
3.874	2.200	Nissan GTR - 2.558	Ultra Billet	In Stock	VI50NI@-UL

Nissan RB26

Compstar

79mm	48mm	ssan 54.9m	Compstar	In Stock	S25001
77.7mn	48mm	ssan 54.9m	Compstar	In Stock	S25004
73.7mn	48mm	ssan 54.9m	Compstar	In Stock	S25005

Nissan RB26 Full Counterweight

Compstar

73.7mn	48mm	ssan 54.9m	Compstar	In Stock	S25006
77.7mn	48mm	ssan 54.9m	Compstar	In Stock	S25007

Stroke	Pin Size	Main Size	Availability	Part #
79mm	48mm	ssan 54.9m	Compstar	In Process S25008

**Nissan RB30 Full Counterweight
Compstar**

90mm	49.9mm	ssan 54.9m	Compstar	In Stock S25011
------	--------	------------	----------	-----------------

**Noonan Pro Mod
Ultra Boost**

3.950	2.374	BB Chevy Pro-Mod-Noonan- 481x - 2.747	Ultra Boost	In Process F111PY@-UB
4.000	2.374	351 Ford - 2.750	Ultra Boost	In Process F10-7Y@-UB
4.000	2.374	BB Chevy Pro-Mod-Noonan- 481x - 2.747	Ultra Boost	In Process F10-P7@-UB
4.125	2.374	BB Chevy Pro-Mod-Noonan- 481x - 2.747	Ultra Boost	In Stock F1U-P7@-UB
4.150	2.374	BB Chevy Pro-Mod-Noonan- 481x - 2.747	Ultra Boost	In Stock F12-P7@-UB
4.250	2.374	BB Chevy Pro-Mod-Noonan- 481x - 2.747	Ultra Boost	In Process F1P-P7@-UB
4.500	2.374	BB Chevy Pro-Mod-Noonan- 481x - 2.747	Ultra Boost	In Process F1Q-P7@-UB

**Small Block Chevy
Compstar**

3.750	2.100	(350) GM Small Block - 2.448	Compstar	In Stock SAJ-113-CS
3.750	2.100	(400) GM Small Block - 2.648	Compstar	In Stock SAJ-213-CS
3.800	2.100	(350) GM Small Block - 2.448	Compstar	In Stock SAK-113-CS
3.800	2.100	(400) GM Small Block - 2.648	Compstar	In Stock SAK-213-CS
3.875	2.100	(350) GM Small Block - 2.448	Compstar	In Stock SAM-113-CS
3.875	2.100	(400) GM Small Block - 2.648	Compstar	In Stock SAM-213-CS
4.000	2.100	(350) GM Small Block - 2.448	Compstar	In Process SAO-113-CS
4.000	2.100	(400) GM Small Block - 2.648	Compstar	In Stock SAO-213-CS

Compstar Comet

3.480	1.888	(350) GM Small Block - 2.448	Compstar Comet	In Process SAF-193-CC
3.625	2.000	(350) GM Small Block - 2.448	Compstar Comet	In Stock SAH-143-CC
3.750	2.100	(350) GM Small Block - 2.448	Compstar Comet	In Stock SAJ-113-CC
3.750	2.000	(350) GM Small Block - 2.448	Compstar Comet	In Stock SAJ-143-CC

Compstar Mid Weight

3.480	2.100	(350) GM Small Block - 2.448	Compstar Mid Weight	In Stock SAF-113-CM
3.480	2.000	(350) GM Small Block - 2.448	Compstar Mid Weight	In Stock SAF-143-CM
3.500	2.100	(350) GM Small Block - 2.448	Compstar Mid Weight	In Stock SAG-113-CM
3.500	2.000	(350) GM Small Block - 2.448	Compstar Mid Weight	In Stock SAG-143-CM

Compstar Race Saver

3.480	2.100	(350) GM Small Block - 2.448	Compstar Race Saver	In Stock SAF-113-CR
-------	-------	------------------------------	---------------------	---------------------

Magnum

3.625	2.000	(350) GM Small Block - 2.448	Magnum	In Process SAH-14A-MG
-------	-------	------------------------------	--------	-----------------------

Stroke	Pin Size	Main Size		Availability	Part #
3.800	2.000	(350) GM Small Block - 2.448	Magnum	In Process	SAK-14A-MG

Magnum M2

3.750	2.100	(350) GM Small Block - 2.448	Magnum	In Process	SAJ-11A-M2
3.750	2.100	(400) GM Small Block - 2.648	Magnum	In Process	SAJ-21A-M2
3.800	2.100	(400) GM Small Block - 2.648	Magnum	In Process	SAK-21A-M2

Magnum Style Billet

3.850	2.000	(400) GM Small Block - 2.648	Magnum Style Billet	BBC Post	In Process	SM5324@-MB
-------	-------	------------------------------	---------------------	----------	------------	------------

Max/Lite (GM-SB Forging)

3.480	1.888	(350) GM Small Block - 2.448	Max/Lite (GM-SB Forging)		In Stock	SAF-19D-ML
3.480	2.000	(283) GM Small Block - 2.298	Max/Lite (GM-SB Forging)		In Stock	SAF-54D-ML

Ultra Billet

4.000	1.888	(350) GM Small Block - 2.448	Ultra Billet		In Process	S4O-19K-UL
-------	-------	------------------------------	--------------	--	------------	------------

Ultra Boost

4.250	2.100	(400) GM Small Block - 2.648	Ultra Boost	BBC Post	In Stock	SMP-21@-UB
-------	-------	------------------------------	-------------	----------	----------	------------

Ultra Dirt

3.000	1.888	(350) GM Small Block - 2.448	Ultra Dirt		In Process	SAD-19A-UD
-------	-------	------------------------------	------------	--	------------	------------

Subaru EJ20

Compstar

75mm	52mm		Subaru	Compstar	In Process	S26001
79mm	52mm		Subaru	Compstar	In Stock	S26002
83mm	52mm		Subaru	Compstar	In Stock	S26005

Subaru FA20

Compstar

86mm	50mm		Subaru FA20	Compstar	In Stock	S26008
90mm	48mm		Subaru FA20	Compstar	In Process	S26009

Top Fuel Harley

Top Fuel

136.5mm	60.27mm		Top Fuel Harley	Top Fuel	In Process	S29000
---------	---------	--	-----------------	----------	------------	--------

Toyota T2JZ

Compstar

91mm	52mm		Toyota 62mm	Compstar	In Stock	S27002
------	------	--	-------------	----------	----------	--------

Toyota T2JZ Full Counterweights

Compstar

86mm	52mm		Toyota 62mm	Compstar	In Stock	S27004
91mm	52mm		Toyota 62mm	Compstar	In Stock	S27005

Stroke	Pin Size	Main Size			Availability	Part #
94mm	52mm	Toyota 62mn	Compstar		In Stock	S27006
86mm	48mm	Toyota 62mn	Compstar		In Stock	S27007
90mm	48mm	Toyota 62mn	Compstar		In Stock	S27008
91mm	48mm	Toyota 62mn	Compstar		In Stock	S27009
94mm	48mm	Toyota 62mn	Compstar		In Stock	S27010

Ultra Dirt Toyota V8

Ultra Dirt

3.765	2.000	(340) Mopar Small Block - 2.500	Ultra Dirt		In Stock	S#80A4@-UD
3.800	1.888	(340) Mopar Small Block - 2.500	Ultra Dirt		In Stock	S#K-A9@-UD

Unknown

Ultra Billet

3.875	2.000	(400) GM Small Block - 2.648	Ultra Billet		In Process	S8M-24@-UL
-------	-------	------------------------------	--------------	--	------------	------------