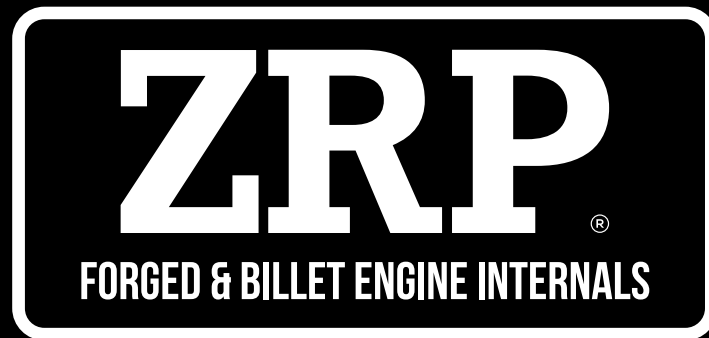
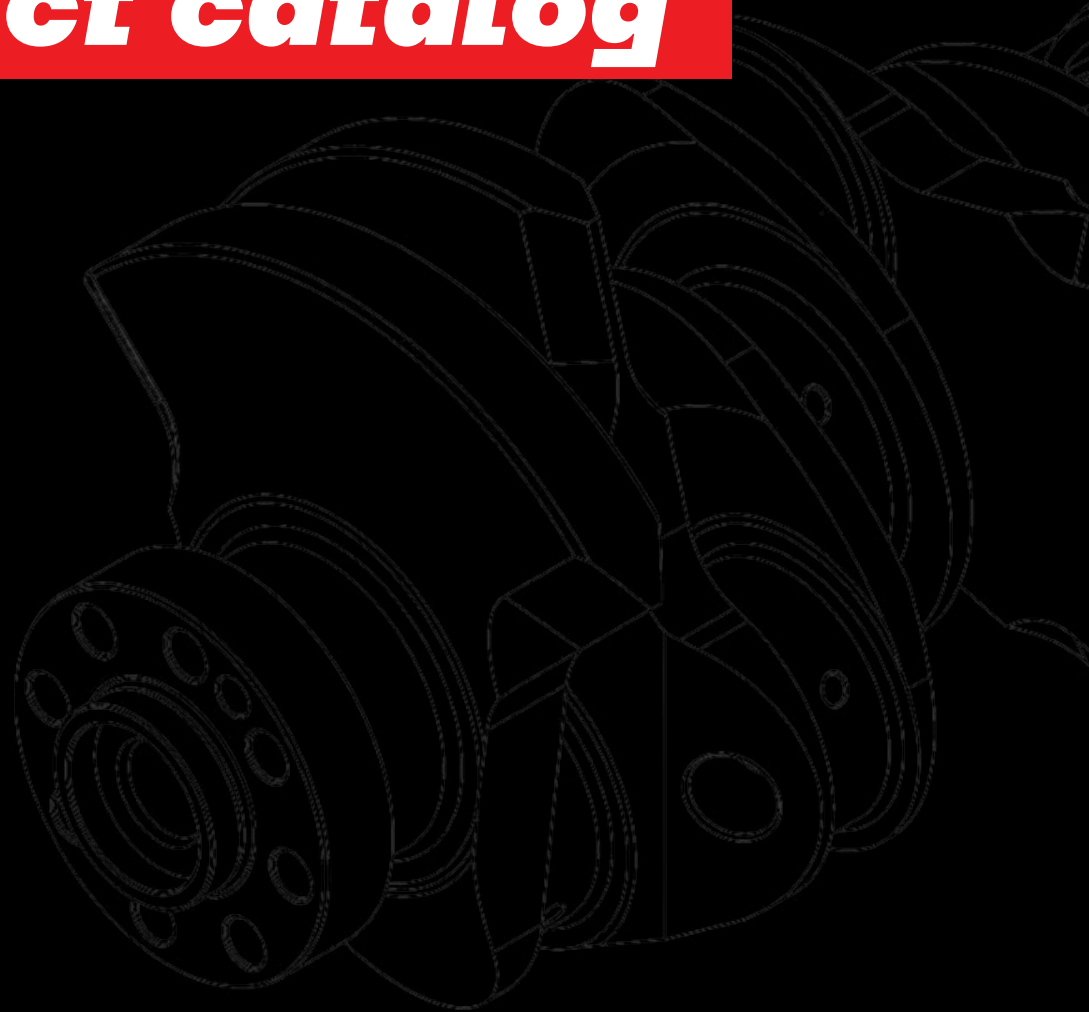


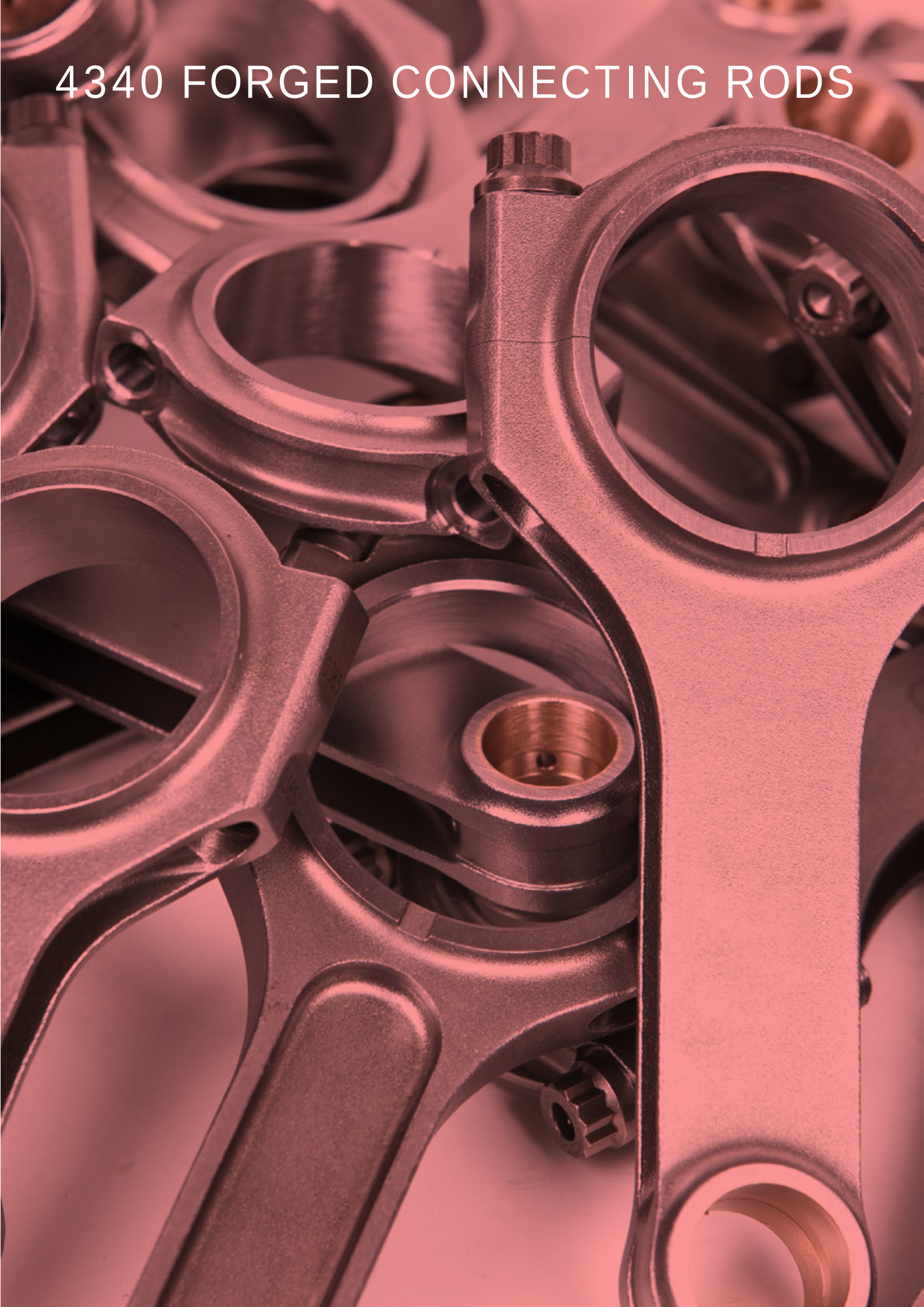


Product catalog



Connecting Rods | Crankshafts

4340 FORGED CONNECTING RODS



Pro Series Rod Terminology



- 01. Double ribbed caps for added strength and better alignment providing bearing caps precision
- 02. Two-Piece forging for great strength
- 03. Lipped cap: Big end rigidity improvement using bigger contact area between cap and con-rodbody, maintaining the least possible weight
- 04. Finished, Machined and honed with Sunnen machines
- 05. Dual grooves for weight reduction and reduced friction
- 06. Optimal balancing for weight matched sets ± 1 gram.
- 07. 817M40T – EN24T Alloy for maximum durability
- 08. Shot peened to relieve stress from the material and Multi-stage heat treated to increase rigidity
- 09. I-Beam shape for extra rigidity
- 10. Shot peening for improved fatigue life
- 11. Radial groove for oil reservoir
- 12. AMPCO 18 Bushings for excellent resistance to wear and fatigue

ZRP "LONG-ROD" CONVERSION SETS

We are introducing "long rod" sets for some popular applications.

There are undisputable advantages from using this setup especially for endurance-built engines but drag racing engines can benefit as well.

Some of them are:

- Allows for higher compression ratios (or boost pressure)
- Reduces the tensile loading of the rod (nr.1 cause of rod failure)
- Reduces the pulsing of the intake charge and provides a smoother flow
- Reduces peak piston speed
- Increases the peak airflow
- Allows for shorter piston skirts
- Reduces piston rock and aid ring seal
- Reduces piston side loading for less friction and less bore wear

We also offer ZRP Supersport (4032) or Diamond Series (2618) matching pistons to accompany the longer rods.



ZRP connecting rods are forged from 4340 high tensile steel. All rods are now fitted with industry leading AMPCO bushings. They are designed for high performance and extreme durability, offered in H-beam and I-beam shape. They are shot peened to relieve stress from the material and multi-stage heat treated to increase rigidity. Offered in "Standard", "Heavy-Duty" and "Pro-Series". Our connecting rods are capable of great power figures but priced reasonably from the racer to the everyday user. ZRP connecting rods come with industry standard ARP2000 bolts. Customers can upgrade per request to L19 or 625+ at an additional cost.

STANDARD SERIES

More economically priced but without compromising quality and performance.

The shape is optimized depending on the model, some come in an H-Beam shape and others come in I-beam shape. Depending on the application and if it is for turbo or N/A use, the design is customized for weight and rigidity.

HEAVY DUTY SERIES

Built from the finest raw materials with a specially optimized shape which also accommodates, the industry standard, 3/8" bolts in all applications. The design of these rods has been developed, based on our experience, individually to each application in order to optimize the design depending on each engine's character.

The new Heavy-Duty series conrods from ZRP, are beefed up in their crossmembers wall thickness and all other critical areas, in order to withstand extreme horsepower figures of more than 220ps per cylinder!

PRO SERIES 817M40T - EN24T ALLOY

In our continual quest for improvement, we proudly introduce an all new series of ZRP conrods, aimed for the Extreme applications.

Built from the finest raw materials with a specially optimized shape which also accommodates, the industry standard size 3/8" cap fasteners, but in L19 material in all applications as standard.

For those who are not familiar with 817M40T, let us say that it is a high tensile alloy steel, renowned for its wear resistance properties. It is a popular grade of through-hardening alloy steel due to its excellent machinability in the "T" condition, the hardness is in the range 248/ 302 HB. The 817M40T - EN24T can be further surface-hardened to create components with enhanced wear resistance by induction or nitriding processing. These qualities make it the finest material you can use for Conrods manufacturing, where high strength properties are required.

All the latest Heavy-Duty series conrods from ZRP, easily fulfill the highest standards of motorsport.

ALL ZRP CONNECTING RODS HAVE THE FOLLOWING TECHNICAL FEATURES

• Two-Piece forging for great strength	• CNC machining for superior tolerances as tight as 0.0002"
• Bend and twist is tightly controlled.	• Center to center is maintained to .001" tolerance
• Shot peened to relieve stress from the material	• Double ribbed caps for added strength
• Magnaflux Inspection guarantees the consistency of the forged material	• Lipped cap: Big end rigidity improvement using bigger contact area between cap and con-rod body
• Multi Stage Heat Treat for maximum strength and dimensional stability	• Finished, Machined and honed with Sunnen machine
• Finite Element Analysis FEA Computer generated stress analysis of con rods	• Optimal balancing for weight matched sets $\pm$ 1gram.



ALFA ROMEO

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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2.5L Alfa 75 & GTV V6 / 3.0L 164 24v

R-ALF-004H	H-Beam	131.00	22.00	55.50	24.80	478	6	3/8"		-	-	AR064-12
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Brera 175Occ TBI, Alfa 159

R-ALF-005-I	I-Beam	148.04	22.00	51.37	21.94	498	4	3/8"		Heavy Duty	Non-Tapered Pin End	4C, 940B2000, 940A1000, 939B1000, 960A1000
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AUDI / VOLKSWAGEN

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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1.4L TFSI (2012-Pre)

R-VW-004-HR	H-Beam	144.00	19.00	50.60	23.00	457	4	5/16"		-	Rifle Drilled Rods	CAVD, CAXA, CAVA, BLG, CAX, CAV, CVA
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1.4L TFSI (2012-Current)

R-VW-005-I	I-Beam	140.02	19.00	50.60	20.00	397	4	5/16"		-	Tapered Pin End	CZCA, CPTA, CZEA, CTHG, CMBH, CZC, CZCB, CZCC, CZDA, CVNA, CHPA, CMBA, CPWA
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1.4L 16v Polo MKIII

R-VW-003-I	I-Beam	144.00	17.00	50.60	20.00	425	4	5/16"		-	Light-weight design	AFH, AFK, AHW
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1.8L TSI / TFSI (EA888)

R-AUD-008I	I-Beam	148.00	21.00	50.60	21.90	522	4	3/8"		-	Tapered Pin End / Also fits OEM pistons	-
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* Engine Number: CDAA, BYT, BZB, CABA, CABB, CABD, CADA, CAEA, CAEB, CAED, CAWB, CBFA, CCTA, CCUA, CCZA, CCZC, CDAA, CDHA, CDHB, CDNA, CDNB, CDNC, CDZA, CESA, CETA, CFKA, CGMA, CHJA, CPMA, CPMB, CPSA, CRHA

1.8L Turbo 20v

R-AUD-001-H	H-Beam	144.00	20.00	50.60	24.89	447	4	3/8"		-	Non-Tapered Pin End	AVC, ANB, AWU, AEB, APX, APY, BAM , AMK, AWM, AGU
R-AUD-001-I	I-Beam	144.00	20.00	50.60	24.89	515	4	3/8"		Heavy Duty	Non-Tapered Pin End	AVC, ANB, AWU, AEB, APX, APY, BAM , AMK, AWM, AGU
R-AUD-001-IR	I-Beam	144.00	20.00	50.60	24.89	507	4	3/8"		Heavy Duty	Non-Tapered Pin End / Rifle Drilled Rods	AVC, ANB, AWU, AEB, APX, APY, BAM , AMK, AWM, AGU
R-AUD-003-I	I-Beam	144.00	20.00	50.60	24.89	529	4	3/8"		-	Tapered Pin End	AVC, ANB, AWU, AEB, APX, APY, BAM , AMK, AWM, AGU
R-AUD-002-I	I-Beam	144.00	19.00	50.60	25.00	532	4	3/8"		-	Tapered Pin End	APP, ARY, AUQ, AJQ, BFB
R-AUD-005HL	H-Beam	147.20	20.00	50.60	24.89	474	4	3/8"		-	Longer rods +3.20mm	AVC, ANB, AWU, AEB, APX, APY, BAM , AMK, AWM, AGU

AUDI / VOLKSWAGEN

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
1.9L & 2.0L DTi DIESEL												
R-VW-009-I	I-Beam	144.00	26.00	53.70	24.90	523	4	5/16"		-	For bore more than 79.50mm / Tapered Pin End	-

2.0L TFSI / TSI (Belt Driven)

R-AUD-006HL End	H-Beam	144.00	21.00	50.60	24.90	475	4	3/8"		-	Non-Tapered Pin	BHZ, BYD, BZC, CDLA, CDLB, CDLC, CDLF, CDLG, CDMA, CDZA, BWJ
R-AUD-006-I	I-Beam	144.00	21.00	50.60	24.90	520	4	3/8"		Heavy Duty	Non-Tapered Pin End	BHZ, BYD, BZC, CDLA, CDLB, CDLC, CDLF, CDLG, CDMA, CDZA, BWJ
R-AUD-006-IR	I-Beam	144.00	21.00	50.60	24.90	507	4	3/8"		Heavy Duty	Non-Tapered Pin End / Rifle Drilled Rods	BHZ, BYD, BZC, CDLA, CDLB, CDLC, CDLF, CDLG, CDMA, CDZA, BWJ
R-AUD-001-H	H-Beam	144.00	20.00	50.60	24.89	447	4	3/8"		-	Non-Tapered Pin End	AXX, BHZ, BGB, BWE, BUL, CDNB, BYK, BPJ, BWA, BWT
R-AUD-001-I	I-Beam	144.00	20.00	50.60	24.89	515	4	3/8"		Heavy Duty	Non-Tapered Pin End	AXX, BHZ, BGB, BWE, BUL, CDNB, BYK, BPJ, BWA, BWT
R-AUD-001-IR	I-Beam	144.00	20.00	50.60	24.89	507	4	3/8"		Heavy Duty	Non-Tapered Pin End / Rifle Drilled Rods	AXX, BHZ, BGB, BWE, BUL, CDNB, BYK, BPJ, BWA, BWT
R-AUD-003-I	I-Beam	144.00	20.00	50.60	24.89	529	4	3/8"		-	Tapered Pin End	AXX, BHZ, BGB, BWE, BUL, CDNB, BYK, BPJ, BWA, BWT

2.0L TFSI / TSI (Chain Driven)

R-AUD-009-I	I-Beam	144.00	21.00	50.60	21.90	488	4	3/8"		Heavy Duty	Non-Tapered Pin End	2011-Pre: CCTA, CCZA, CCZB, CBF, CAEB, CAEA, CDNB, CDNC
R-AUD-010-I	I-Beam	144.00	22.00	50.60	21.90	492	4	3/8"		Heavy Duty	Non-Tapered Pin End	-
R-VW-008-IR	I-Beam	144.00	23.00	50.60	21.85	508	4	3/8"		-	Non-Tapered Pin End / Rifle Drilled	2011-Current: CCTA, CCZA, CCZB, CBF, CAEB, CAEA, CDNB, CDNC, CJXC, CCHA, CHHB, MQB

2.0L 16v e- 8v

R-VW-001-I	I-Beam	159.00	21.00	50.60	24.89	638	4	3/8"		-	Recommended for Turbo use	ABF, 2E
R-VW-001-IL	I-Beam	159.00	21.00	50.60	24.89	566	4	3/8"		-	Lightweight design - N/A use	ABF, 2E

2.2L RS2 (S2) 5-Cyl.

R-AUD-004-I	I-Beam	144.00	20.00	50.60	24.89	515	5	3/8"		Heavy Duty	Non-Tapered Pin End	3B, RR, AAN, ABY, ADU
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AUDI / VOLKSWAGEN

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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2.5L TFSI TT-RS, RS3, Q2 RS

R-AUD-009-I-5	I-Beam	144.00	21.00	50.60	21.90	488	5	3/8"		Heavy Duty	Non-Tapered Pin End	CEPA, CEPB
R-AUD-010-I-5	I-Beam	144.00	22.00	50.60	21.90	492	5	3/8"		Heavy Duty	Non-Tapered Pin End	CEPA, CEPB
R-VW-008-IR-5	I-Beam	144.00	23.00	50.60	21.85	508	5	3/8"		-	Non-Tapered Pin End / Rifle Drilled Rods	CEPA, CEPB, DAZA, DNWA

2.8L & 2.9L VR6 / 3.2L R32 / 3.6L R36 FSI

R-VW-002-I	I-Beam	164.00	20.00	56.81	19.90	618	6	3/8"		Heavy Duty	For bore more than 84.00	2.8L & 2.9L: AAA, ABV, AMV, AQP, AUE, AYL, BDE -- R32: BFH, BML, BJS / 3.6L R36: BWS, BHK, CDVA
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BMW

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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1.6L 316 M40 / M43

R-BMW-002-I-4	I-Beam	140.00	22.00	48.00	21.90	498	4	3/8"		-	-	M40B16, M43B16
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1.8L 318is M42 / 1.9L 318is M44

R-BMW-007-I	I-Beam	139.95	22.00	48.00	21.97	492	4	3/8"		-	-	M42B18, M44B18
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2.0L B48 Turbo (F-Series)

R-MIN-003-I	I-Beam	148.17	22.00	53.60	23.90	494	4	3/8"		-	Tapered Pin End	B48B20 : (B48B20) F30 320i, F30 330e, F20 120i, G30 520i, G30 530e, G01 X3 Xdrive20i, G20 320i
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2.0L M10 2002

R-BMW-008-I	I-Beam	135.00	22.00	52.00	23.90	496	4	3/8"		-	-	M10B20
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2.0L M3 S14 EURO

R-BMW-011H	H-Beam	150.00	22.00	52.00	23.90	601	4	3/8"		-	-	S14B20
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2.0L N20 Turbo / N26B20 (US only)

R-BMW-022-I	I-Beam	144.35	22.00	53,635	20.88	487	4	3/8"		-	Non-Tapered Pin End / Straight PE	N20B20 / N20B20T / N26B20 (US only)
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2.3L M3 S14

R-BMW-001-I	I-Beam	144.00	22.00	52.00	23.90	566	4	3/8"		-	-	S14B23
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2.5L M20

R-BMW-006-I	I-Beam	135.00	22.00	48.00	21.90	499	6	3/8"		-	-	M20B25
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BMW												
PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
2.5L M3 S14												
R-BMW-001-I	I-Beam	144.00	22.00	52.00	23.90	566	4	3/8"		-	-	S14B25
2.5L M50 & M52 (325) Single Vanos												
R-BMW-002-I	I-Beam	140.00	22.00	48.00	21.90	498	6	3/8"		-	-	M50B25 Single Vanos, M52B25 Single Vanos
2.5L M50 / M52												
R-BMW-006-I	I-Beam	135.00	22.00	48.00	21.90	552	6	3/8"		-	-	M50B25, M52B25
2.5L M54 (325)												
R-BMW-003H	H-Beam	145.00	22.00	48.00	21.90	544	6	3/8"		-	-	M54B25
2.8L M30												
R-BMW-013-I	I-Beam	135.00	22.00	52.00	23.90	547	6	3/8"		-	-	M30B28
2.8L M50 / M52												
R-BMW-006-I	I-Beam	135.00	22.00	48.00	21.90	499	6	3/8"		-	-	M50B28, M52B28
3.0L M30												
R-BMW-013-I	I-Beam	135.00	22.00	52.00	23.90	496	6	3/8"		-	-	M30B30
3.0L M54												
R-BMW-006-I	I-Beam	135.00	22.00	48.00	21.90	499	6	3/8"		-	-	M54B30
3.0L M3 E36 S50												
R-BMW-005-I	I-Beam	142.00	21.00	53.00	21.90	522	6	3/8"		-	-	S50B30
3.0L N52												
R-BMW-020-I	I-Beam	147.35	20.00	53,630	20.90	450	6	3/8"		-	Non-Tapered Pin End / Straight PE	N52B30
3.0L N54												
R-BMW-018-I	I-Beam	145.00	22.00	53,635	20.88	488	6	3/8"		-	Non-Tapered Pin End / Straight PE	N54B30
3.0L N55 / M4 S55												
R-BMW-019-I	I-Beam	144.35	22.00	53,635	20.88	487	6	3/8"		-	Non-Tapered Pin End / Straight PE	N55B30
3.0L B58												
R-BMW-021-I	I-Beam	148.17	22.00	53.60	23.90	494	6	3/8"		-	Tapered Pin End	B58B30

BMW													
PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER	

3.2L M30

R-BMW-013-I	I-Beam	135.00	22.00	52.00	23.90	496	6	3/8"		-	-	M30B32
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3.2L M52

R-BMW-006-I	I-Beam	135.00	22.00	48.00	21.90	499	6	3/8"		-	-	M52B32
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3.2L M3 E36 S50 / S52

R-BMW-004H	H-Beam	139.00	21.00	53.00	21.90	550	6	3/8"		-	-	S50B32
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3.2L M3 E46 S54

R-BMW-012-I	I-Beam	139.00	21.00	53.00	19.91	502	6	3/8"		-	-	S54B32
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3.5L M30

R-BMW-013-I	I-Beam	135.00	22.00	52.00	23.90	496	6	3/8"		-	-	M30B35
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3.5L M5 & M6 S38B36

R-BMW-001-I-6	I-Beam	144.00	22.00	52.00	23.90	566	6	3/8"		-	-	S38B36
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3.8L M5 S38

R-BMW-009H	H-Beam	142.50	22.00	52.00	24.00	535	6	3/8"		-	-	S38B38
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4.0L M3 V8 S65

R-BMW-014-I	I-Beam	140.72	21.00	56.00	18.45	499	8	3/8"		-	Non-Tapered Pin End / Straight PE	S65B40
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5.0L M5 E39 S62

R-BMW-010H	H-Beam	141.50	22.00	53.00	20.90	548	8	3/8"		-	-	S62B50
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5.0L M70 V12

R-BMW-017-I	I-Beam	135.00	22.00	48.00	21.90	499	12	3/8"		-	-	M70B50
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5.0L M5 & M6 V10 S85

R-BMW-015-I	I-Beam	140.72	21.00	56.00	18.45	499	10	3/8"		-	Non-Tapered Pin End / Straight PE	S85B50
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5.4L M70 V12

R-BMW-017-I	I-Beam	135.00	22.00	48.00	21.90	499	12	3/8"		-	-	M70B54
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CITROEN / PEUGEOT

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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1.6L TU5J4 / TU5JP4 (19.50mm pin)

R-CIT-001HL	H-Beam	133.60	19.50	48.66	23.91	461	4	3/8"		-	Light weight design	TU5J4, TU5JP4
R-CIT-001-I	I-Beam	133.60	19.50	48.66	23.91	498	4	3/8"		Heavy Duty	-	TU5J4, TU5JP4

1.6L TU5J4 / TU5JP4 (18.00mm pin)

R-PEU-001H	H-Beam	133.60	18.00	48.66	23.91	461	4	3/8"		-	-	TU5J4, TU5JP4,, TU5J2, TU2J2, TU3J2
R-CIT-004-I	I-Beam	137.75	18.00	48.66	23.91	435	4	3/8"		-	Longer rods +4.15mm / Light weight design	TU5J4, TU5JP4,, TU5J2, TU2J2, TU3J2
R-CIT-005HL	H-Beam	139.00	18.00	48.66	23.91	460	4	3/8"		-	Longer rods +5.40mm / Light weight design	TU5J4, TU5JP4,, TU5J2, TU2J2, TU3J2
R-CIT-006-I	I-Beam	141.00	18.00	48.66	23.91	442	4	3/8"		-	Longer rods +7.40mm / Light weight design	TU5J4, TU5JP4,, TU5J2, TU2J2, TU3J2

1.6L Turbo 207 RC / DS3 (Prince - EP6)

R-PEU-002-I	I-Beam	138.55	20.00	48.00	20.87	450	4	3/8"		-	Tapered Pin End / Also fits OEM pistons	Prince EP6, EP6C, EP6DT, EP6DTS
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2.0L EW10J4RS

R-PEU-003H	H-Beam	139.00	21.00	48.66	24.18	493	4	3/8"		-	-	EW10J4RS
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2.0L XU10J4RS

R-CIT-002-I	I-Beam	158.00	20.00	53.70	24.20	610	4	3/8"		-	-	XU10J4RS
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CHEVROLET

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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Small block

R-SBC-001-I	I-Beam	6.000"	0.927"	2.225"	0.940"	594	8	7/16"		Heavy Duty	-	Suitable with all Chevy Small Block engines
R-SBC-002-I	I-Beam	5.700"	0.927"	2.225"	0.940"	570	8	7/16"		Heavy Duty	-	Suitable with all Chevy Small Block engines

LS1

R-LS1-001-I	I-Beam	6.125"	0.927"	2.225"	0.940"	611	8	7/16"		Heavy Duty	-	Suitable with all Chevy LS1 Engines
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DAIHATSU

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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993cc Turbo, Charade, GT

R-DAI-001H	H-Beam	125.04	19	46.08	24.80	387	3	5/16"		-	-	CB-70, G100, CB-80
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FIAT / LANCIA

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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500cc (2-Cyl.)

R-FIA-004H	H-Beam	120.00	20.00	47.00	24.70	340	2	5/16"		-	Aluminum - silicon-bronze bushings	-
R-FIA-005-H	H-Beam	130.00	20.00	47.00	24.65	361	2	5/16"		-	-	-

1.4L Abarth / T-Jet / Grand Punto

R-FIA-003-I	I-Beam	129.00	18.00	45.11	21.70	406	4	5/16"		-	Tapered Pin End / Also fits OEM pistons	312A1, 198A
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1.4L & 1.6L Punto / Uno / Tempra

R-FIA-001-I	I-Beam	128.52	22.00	48.63	25.40	492	4	3/8"		-	-	146A, 176A, 159A
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2.0L 20v Coupe 5-Cyl.

R-FIA-002-I	I-Beam	145.00	22.00	51.37	21.95	566	5	3/8"		-	-	175A, 182A
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2.0L 16v Delta Integrale

R-LAN-001-H	H-Beam	145.00	22.00	53.92	25.70	564	4	3/8"		-	-	832CS, M16AT, M20L4T
R-LAN-001-I	I-Beam	145.00	22.00	53.92	25.70	557	4	3/8"		-	-	832CS, M16AT, M20L4T
R-LAN-002HL	H-Beam	149.00	22.00	53.92	25.70	534	4	3/8"		-	Longer rods +4.00 / Aluminum - silicon-bronze bushings	832CS, M16AT, M20L4T





PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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1.0L EcoBoost

R-FOR-006-I	I-Beam	137.00	20.00	43.00	19.55	383	3	5/16"		-	Non-Tapered Pin End	SFJA, SFJB, SFJC, SFJD, M1JH, M1JE
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1.6L EcoBoost

R-FOR-007-I	I-Beam	134.02	21.00	47.04	20.80	431	4	5/16"		-	Tapered Pin End	JTJA, HXJA, HXJB, YUDA, JQDB
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2.0L EcoBoost

R-FOR-008-I	I-Beam	155.86	22.50	55.04	21.84	575	4	3/8"		Heavy Duty	Non-Tapered Pin End	GTDI
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2.3L EcoBoost

R-FOR-009-I	I-Beam	149.25	22.50	55.04	21.84	576	4	3/8"		Heavy Duty	Non-Tapered Pin End	YVDA
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2.0L 16v Sierra / Escort / Cosworth YB

R-FOR-001-I	I-Beam	128.50	24.00	55.00	25.85	542	4	3/8"		-	-	N5B, YB
R-FOR-002-I	I-Beam	136.50	24.00	55.00	25.85	572	4	3/8"		-	Longer rods +8.00mm	N5B, YB
R-FOR-003H	H-Beam	133.50	24.00	55.00	25.85	457	4	3/8"		-	Longer rods +5.00mm	N5B, YB
R-FOR-003-I	I-Beam	133.50	24.00	55.00	25.85	Call	4	3/8"		Heavy Duty	Longer rods +5.00mm	N5B, YB
R-FOR-EN24-003	I-Beam	133.50	24.00	55.00	25.85	542	4	3/8"		Heavy Duty	Longer rods +5.00mm	N5B, YB

2.0L Duratec

R-FOR-004H	H-Beam	146.25	21.00	50,023	21.82	456	4	3/8"		-	-	CJBA, AOWA, AOBA, N4JA, N4JB
R-FOR-004-I	I-Beam	146.25	21.00	50,023	21.82	515	4	3/8"		-	-	CJBA, AOWA, AOBA, N4JA, N4JB

2.5L 20v Focus RS MKII

R-FOR-005-I	I-Beam	143.00	23.00	52.98	25.65	551	5	3/8"		-	-	HUBA, JZDA
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HONDA

PART NUMBER	SHAPE	LENGTH (C)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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B16A

R-HON-001-I	I-Beam	134.40	21.00	48.00	23.75	537	4	3/8"		Heavy Duty	Recommended usage: Turbo	B16A
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B18A, B18B, B20B

R-HON-002H	H-Beam	137.00	21.00	48.00	23.75	390	4	5/16"		-	Recommended usage: Natural Aspirated	B18 A, B18 B, B20
R-HON-002-I	I-Beam	137.00	21.00	48.00	23.75	526	4	3/8"		Heavy Duty	Recommended usage: Turbo	B18 A, B18 B, B20

B18C1, B18C2, B18C5, B18C7

R-HON-003H	H-Beam	138.00	21.00	48.00	21.79	486	4	3/8"		-	Recommended usage: Natural Aspirated	B18C1, B18C2, B18C5, B18C7
R-HON-003HL	H-Beam	138.00	21.00	48.00	21.79	405	4	3/8"		-	Recommended usage: Natural Aspirated	B18C1, B18C2, B18C5, B18C7
R-HON-003I	I-Beam	138.00	21.00	48.00	21.79	516	4	3/8"		-	Recommended usage: Turbo	B18C1, B18C2, B18C5, B18C7
R-HON-003-I	I-Beam	138.00	21.00	48.00	21.79	534	4	3/8"		Heavy Duty	Recommended usage: Turbo	B18C1, B18C2, B18C5, B18C7
R-HON-EN24-003	I-Beam	138.00	21.00	48.00	21.79	518	4	3/8"		Heavy Duty	Recommended usage: Turbo	B18C1, B18C2, B18C5, B18C7

K20A2, K20Z1, K20A3

R-HON-010-I	I-Beam	138.90	22.00	51.00	19.83	510	4	3/8"		Heavy Duty	Recommended usage: Turbo	K20A2, K20Z1, K20A3
R-HON-010H	H-Beam	138.90	22.00	51.00	19.83	470	4	3/8"		-	Recommended usage: Natural Aspirated	K20A2, K20Z1, K20A3
R-HON-010HL	H-Beam	138.90	22.00	51.00	19.83	436	4	3/8"		-	Recommended usage: Natural Aspirated	K20A2, K20Z1, K20A3
R-HON-011I	I-Beam	138.90	22.00	51.00	19.83	502	4	5/16"		-	Recommended usage: Turbo	K20A2, K20Z1, K20A3
R-HON-013HL	H-Beam	148.50	22.00	51.00	19.83	453	4	3/8"		-	Recommended usage: Natural Aspirated	K20A2, K20Z1, K20A3
R-HON-012HL	H-Beam	135.50	22.00	51.00	19.83	451	4	3/8"		-	Recommended usage: Natural Aspirated	K20A2, K20Z1, K20A3
R-HON-012-I	I-Beam	135.50	22.00	51.00	19.83	486	4	3/8"		Heavy Duty	Recommended usage: Turbo	K20A2, K20Z1, K20A3

F20C (S2000)

R-HON-006HL	H-Beam	153.00	23.00	51.00	23.85	503	4	3/8"		-	Tapered Pin End	F20C
R-HON-006H	H-Beam	153.00	23.00	51.00	23.85	608	4	3/8"		-	Tapered Pin End	F20C
R-HON-006-I	I-Beam	153.00	23.00	51.00	23.85	625	4	3/8"		Heavy Duty	Recommended usage: Turbo	F20C
R-HON-014HL	H-Beam	146.75	23.00	51.00	23.85	458	4	3/8"		-	Tapered Pin End	F20C
R-HON-014-I	I-Beam	146.75	23.00	51.00	23.85	563	4	3/8"		Heavy Duty	Recommended usage: Turbo	F20C

HONDA

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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F22C

R-HON-015HL	H-Beam	149.65	23.00	51.00	23.85	456	4	3/8"		-	-	F22C
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H22

R-HON-008H	H-Beam	143.20	22.00	51.00	23.75	474	4	3/8"		-	Recommended usage: Natural Aspirated	H22A, H22Z
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F24

R-HON-016HL	H-Beam	145.50	23.00	51.00	19.83	444	4	3/8"		-	Recommended usage: Natural Aspirated	F24
R-HON-016-I	I-Beam	145.50	23.00	51.00	19.83	510	4	3/8"		Heavy Duty	Recommended usage: Turbo	F24

HYUNDAI

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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1.5L S' Coupe

R-HYU-001H	H-Beam	131.00	18.00	48.00	22.84	434	4	5/16"		-	-	-
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MAZDA

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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2.0L MX-5 3 / 5 / 6

R-MAZ-002H	H-Beam	146.25	21.00	50,023	21.82	456	4	3/8"		-	-	LF-DE, LF-VE, LF-VD, MRZ14, NC
R-MAZ-002-I	I-Beam	146.25	21.00	50,023	21.82	515	4	3/8"		-	-	LF-DE, LF-VE, LF-VD, MRZ14, NC

1.6L & 1.8L MX-5 (BP / B6)

R-MAZ-001-H	H-Beam	132.80	20.00	48.00	21.84	418	4	3/8"		-	-	BP, NB, BPT
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MINI COOPER

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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1.6L R53 Supercharger - W11B16

R-MIN-001-I	I-Beam	131.60	21.00	49.00	23.25	453	4	3/8"		-	-	W11B16
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1.6L R56 Turbo - N12 / N14 / N16 / N18

R-MIN-002-I	I-Beam	138.55	20.00	48.00	20.87	450	4	3/8"		-	Tapered Pin End	N12B16, N14B16, N18B16A, N18B16B, N18B16C
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2.0L B48 JCW & F56 (2014-Current)

R-MIN-003-I	I-Beam	148.17	22.00	53.60	23.90	494	4	3/8"		-	Tapered Pin End	B48B20 Clubman, F55, F56 & F57 Cooper S, F60 Countryman
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MINI COOPER

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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2.0L N20 JCW & Countryman S (2011-2017)

R-MIN-004-I	I-Beam	144.35	22.00	53,635	20.88	487	4	3/8"		-	Non-Tapered Pin End / Straight PE	N20B20 / N20B20T
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MITSUBISHI

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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4G63 EVO 1-9

R-MIT-002-H	H-Beam	150.00	22.00	48.00	26.40	552	4	3/8"		-	-	4G63T, 4G63
R-MIT-002-I	I-Beam	150.00	22.00	48.00	26.40	675	4	3/8"		Heavy Duty	-	4G63T, 4G63
R-MIT-002-IP	I-Beam	150.00	22.00	48.00	26.40	610	4	3/8"		Pro Series	-	4G63T, 4G63
R-MIT-007-I	I-Beam	156.00	22.00	48.00	26.40	612	4	3/8"		Heavy Duty	-	4G63T, 4G63
R-MIT-007-IP	I-Beam	156.00	22.00	48.00	26.40	633	4	3/8"		Pro Series	-	4G63T, 4G63

4B11 EVO 10

R-MIT-EN24-006	I-Beam	143.71	23.00	54.99	21.87	483	4	3/8"		Heavy Duty	-	4B11
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MERCEDES

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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2.0L A45 M133

R-MER-001-I	I-Beam	138.70	22.00	51.60	20.00	480	4	3/8"		-	-	M133 (AMG) / M139
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MITSUBISHI EVO 7 - WORLD RECORD 7.654' - (9SEC PARTS- GTR RACING TUNING)



NISSAN												
PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER

CA18DET (Silvia)

R-NIS-001H	H-Beam	133.00	20.00	48.00	24.30	453	4	3/8"		-	-	CA18DET
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SR20DET / SR20DE (Silvia / Primera / 200SX)

R-NIS-002-I	I-Beam	136.30	22.00	51.00	22.80	553	4	3/8"		Heavy Duty	-	SR20DET, SR20DE, SR20VE, SR20VET
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VQ35DE (350Z)

R-NIS-005-I	I-Beam	144.20	22.00	55.00	20.80	565	6	3/8"		Heavy Duty	Non-Tapered Pin End	VQ35DE
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RB25DET / RB26DETT (Skyline R32 /R34)

R-NIS-003-I	I-Beam	121.50	21.00	51.00	21.80	494	6	3/8"		Heavy Duty	-	RB26DETT, RB25DET
R-NIS-004H	H-Beam	119.50	21.00	51.00	21.80	477	6	3/8"		-	Stroker Ver. (Shorter)	RB26DETT, RB25DET

VR38DETT (GTR)

R-NIS-006-I	I-Beam	165.00	23.00	59.00	22.80	743	6	3/8"		Heavy Duty	Non-Tapered Pin End	VR38DETT
R-NIS-006-IP	I-Beam	165.00	23.00	59.00	22.80	695	6	3/8"		Pro Series	Non-Tapered Pin End	VR38DETT

OPEL / VAUXHALL												
PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER

1.6L Turbo Z16LET (Corsa OPC)

R-OPE-005-I	I-Beam	129.75	19.00	46.00	21.90	419	4	3/8"		-	Non-Tapered Pin End	Z16LER, A16LER, A16LET, Z16LEH
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1.6L 16v X16XE

R-OPE-002-I	I-Beam	129.75	18.00	46.00	21.90	403	4	3/8"		-	Tapered Pin End / Also fits OEM pistons	X16XE, X16XEL, C16NZ, C16N2
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2.0L 16v C20XE / Z20LET (Astra e Calibra)

R-OPE-001-H	H-Beam	143.00	21.00	52.00	26.35	514	4	3/8"		-	Recommended usage: Natural Aspirated	C20XE, C20LET, Z20LET, Z20LEH, Y20LET, Z20LER
R-OPE-001-I	I-Beam	143.00	21.00	52.00	26.35	532	4	3/8"		-	Recommended usage: Turbo	C20XE, C20LET, Z20LET, Z20LEH, Y20LET, Z20LER
R-OPE-006H	H-Beam	148.00	21.00	52.00	26.35	527	4	7/16"		-	Longer rods +5.00mm	C20XE, C20LET, Z20LET, Z20LEH, Y20LET, Z20LER

2.0L 16v LNF / A20NFT (Astra J & GT)

R-OPE-009I	I-Beam	145.45	23.00	52.13	23.95	547	4	3/8"		-	Tapered Pin End / Also fits OEM pistons	LNF, A20NHT, A20NFT, A20NFT, JVXR
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RENAULT

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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1.8L F7P / 2.0L F7R / 2.0L F4R

R-REN-001-I	I-Beam	144.00	21.00	51.60	25.00	513	4	3/8"		-	With bearing tag / Light weight design	F7P, F7R, F4R
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ROVER

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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K SERIES

R-ROV-001-I	I-Beam	133.10	18.00	51.68	22.50	367	4	5/16"		-	-	18K4F
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SUBARU

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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EJ20 / EJ22 / EJ25

R-SUB-001-H	H-Beam	130.50	23.00	55.00	17.00	498	4	3/8"		-	-	EJ20, EJ205, EJ25, EJ257, EJ22ET
R-SUB-001-I	I-Beam	130.50	23.00	55.00	17.00	555	4	3/8"		Heavy Duty	-	EJ20, EJ205, EJ25, EJ257, EJ22ET
R-SUB-001-IP	I-Beam	130.50	23.00	55.00	17.00	525	4	3/8"		Pro Series	-	EJ20, EJ205, EJ25, EJ257, EJ22ET

EG33 SVX

R-SUB-002-I	I-Beam	130.50	23.00	55.00	17.00	555	6	3/8"		Heavy Duty	-	EG33
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SMART

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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700cc / 600cc

R-SMA-001H	H-Beam	114.00	16.00	41.62	17.00	264	3	5/16"		-	-	-
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SUZUKI												
PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER

1.6L M16A / Liana, Swift

R-SUZ-001H	H-Beam	135.16	20.00	45.00	23.84	412	4	5/16"		-	-	M16A
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1.3L Hayabusa

R-SUZ-004-I	I-Beam	119.50	20.90	41.00	20.00	355	4	3/8"		Heavy Duty	99"-07" Model - Turbo use	Gen.1
R-SUZ-004H	H-Beam	119.50	20.90	41.00	20.00	298	4	5/16"		-	99"-07" Model - N/A use	Gen.1
R-SUZ-EN24-003	I-Beam	119.50	20.90	41.00	18.00	408	4	3/8"		Heavy Duty	08"-12" Model - Turbo use / EN24T Alloy	Gen.2
R-SUZ-003-I	I-Beam	119.50	20.90	41.00	18.00	354	4	3/8"		Heavy Duty	08"-12" Model - Turbo use	Gen.2
R-SUZ-003-H	H-Beam	119.50	20.90	41.00	18.00	309	4	5/16"		-	08"-12" Model - N/A use	Gen.2

TOYOTA												
PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER

1.3L 4E-FTE

R-TOY-001H	H-Beam	118.00	18.00	43.07	20.85	367	4	5/16"		-	-	3EF, 4E-FTE, 4E-FE
R-TOY-001-I	I-Beam	118.00	18.00	43.07	20.85	377	4	3/8"		-	-	3EF, 4E-FTE, 4E-FE

1.5L 5E-FE / 5E-FTE

R-TOY-002H	H-Beam	130.50	18.00	46.00	20.85	422	4	5/16"		-	-	5E-FE, 5E-FTE
R-TOY-002-I	I-Beam	130.50	18.00	46.00	20.85	426	4	5/16"		-	-	5E-FE, 5E-FTE

1.6L 4AG 16v e 20v

R-TOY-003H	H-Beam	122.00	18.00	43.00	21.85	441	4	3/8"		-	-	4AG, 4AGE
R-TOY-004H	H-Beam	122.00	20.00	45.00	21.85	406	4	3/8"		-	-	4AG, 4AGE
R-TOY-004-I	I-Beam	122.00	20.00	45.00	21.85	435	4	3/8"		Heavy Duty	-	4AG, 4AGE

2.0L 3SGTE / 3SGE

R-TOY-005-I	I-Beam	138.00	22.00	51.00	26.70	588	4	3/8"		Heavy Duty	-	3SGTE, 3SGE
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3.0L 2JZ Supra

R-TOY-006-H	H-Beam	142.00	22.00	55.00	26.00	598	6	3/8"		-	-	2JZ-GTE
R-TOY-006-I	I-Beam	142.00	22.00	55.00	26.00	626	6	3/8"		Heavy Duty	-	2JZ-GTE
R-TOY-006-IP	I-Beam	142.00	22.00	55.00	26.00	630	6	3/8"		Pro Series	-	2JZ-GTE

3.0L B58 Supra

R-BMW-021-I	I-Beam	148.17	22.00	53.60	23.90	494	6	3/8"		-	Tapered Pin End	B58B30
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VOLVO

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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2.5L 20v B5254 & 2.0L 20v B5204T2 (V70)

R-VOL-001-I	I-Beam	143.00	23.00	53.00	25.65	547	5	3/8"		-	-	B5204T2, B5254, B5234
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2.3L 8v B23A (240.740)

R-VOL-002H	H-Beam	145.00	24.00	58.00	29.72	672	4	7/16"		-	-	B23A
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2.3L 16v B234F / 2.0L 8v B230

R-VOL-003-I	I-Beam	152.00	23.00	52.00	29.46	618	4	3/8"		-	-	B234F, B230
R-VOL-004-I	I-Beam	158.00	23.00	52.00	29.46	604	4	3/8"		-	-	B234F, B230

1.9L 16v B4204T / B4194 (S40 / V40)

R-VOL-005-I-4	I-Beam	139.50	23.00	53.00	25.65	531	4	3/8"		-	-	B4204T / B4194
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2.3L 20v B5234 (C70/T5)

R-VOL-005-I-5	I-Beam	139.50	23.00	53.00	25.65	531	5	3/8"		-	-	B5234
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2.8L 24v B6284 (S80)

R-VOL-005-I-6	I-Beam	139.50	23.00	53.00	25.65	531	6	3/8"		-	-	B6284
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WATERCRAFT

PART NUMBER	SHAPE	LENGTH (CC)	PIN SIZE	BIG BORE	B.E WIDTH	WEIGHT (GR)	SET OF	BOLT SIZE		SERIES	FOOTNOTE	ENGINE NUMBER
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Yamaha - 1800 SHO

R-YAM-001H	H-Beam	145.00	22.00	45.00	26.82	480	4	3/8"		-	-	1800 SHO
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Kawasaki - Ultra 250 / 260 / 400

R-KAW-001H	H-Beam	112.85	21.00	42.00	23.66	404	4	5/16"		-	-	ULTRA 250, 260, 400
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Sea Doo - 1500 XRT / GTX / XRP

R-SEA-001-I	I-Beam	120.10	23.02	48.01	21.97	506	4	3/8"		-	-	1500 XRT, GTX, XRP
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Sea Doo - 1630 XRT / GTX / XRP

R-SEA-002-I	I-Beam	114.90	22.01	48.02	21.98	485	4	3/8"		-	-	1630 XRT, GTX, XRP
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Billet Crankshafts

All ZRP crankshafts manufactured from aerospace grade 4340 solid billet steel. No compromises have been made to the quality of the material, in order to ensure the best possible product.

They are designed carefully, from our vast experience, to provide the best possible engine performance. Our crankshaft production process consists of very detailed inspections to ensure that they have the best quality and tolerances for perfect fitment. We use CNC machining for precise results, multi-stage heat treatment, ION (Plasma) Nitriding for hardening and heat treatment for superior wear resistance, Magna-fluxing for flawless surface finish, Shot peening for stress release, Micro-polishing for longer bearing life. Finally they are sonic tested and X-rayed to ensure a reliable end product.

We offer many different crankshaft designs from knife edged to stepped counterweights, we have it all depending on the application, whether it is turbo or N/A, drag or drift, rally or hill-climb we have the preferred design for you! All different designs feature straight oil holes, for best oiling to the rod journals and are all balanced to 1gr.cm +/-0.1 for the 4 cylinders and 2gr.cm +/- 0.1 for the 6 cylinders using the state of the art Sunnen machines.

All ZRP crankshafts are fully balanced and ready to install.



ALL CRANKSHAFTS HAVE THE FOLLOWING **TECHNICAL FEATURES**

- »Full CNC machining.
- »ION(Plasma) Nitride process for hardening.
- »Multi Stage Heat Treatment.
- »Shot peening for stress release.
- »100% Magna-fluxing for flawless surface finish.
- »Heat treatment for superior wear resistance.
- »Micro-polishing for longer bearing life.
- »Sonic tested and X-rayed to ensure a reliable end product.

AUDI / VOLKSWAGEN

PART NUMBER	STROKE	MAIN JOURNAL	ROD JOURNAL	WEIGHT KG.	CRANK. GRADE	FOOTNOTE	ENGINE NUMBER
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1.8L Turbo 20v - Stroker

C-AUD-001L	92.80mm	54.00mm	47.80mm	13.80	4340 Billet	Stroker 2.0L - 06A Engine	Suitable with 06A engine
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2.0L TFSI / TSI (Belt Driven Engine)

C-AUD-001L	92.80mm	54.00mm	47.80mm	13.80	4340 Billet	Std Stroke	Suitable with all 2.0L TFSI / TSI Belt Driven Engines
C-AUD-002L	90.00mm	54.00mm	47.80mm	13.35	4340 Billet	De-Stroke Crank.	Suitable with all 2.0L TFSI / TSI Belt Driven Engines
C-AUD-003L	95.20mm	54.00mm	47.80mm	13.60	4340 Billet	Stroker Crank.	Suitable with all 2.0L TFSI / TSI Belt Driven Engines
C-AUD-004L	98.00mm	54.00mm	47.80mm	14.20	4340 Billet	Stroker Crank.	Suitable with all 2.0L TFSI / TSI Belt Driven Engines

2.0L 16v ABF (De-Stroke)

C-VW-001L	90.00mm	54.00mm	47.80mm	13.80	4340 Billet	De-Stroke for high rpm engines	ABF
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2.2L RS2 (S2) 5-Cyl.

C-AUD-005L	92.80mm	58.00mm	47.80mm	18.55	4340 Billet	Stroker Crank.	3B , RR , AAN , ABY , ADU
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BMW

PART NUMBER	STROKE	MAIN JOURNAL	ROD JOURNAL	WEIGHT KG.	CRANK. GRADE	FOOTNOTE	ENGINE NUMBER
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M3 S14 Series

C-BMW-001	80.00mm	54.99mm	47.991mm	20.30	4340 Billet	S14B20 Stroker Crank.	S14B20
C-BMW-003	84.00mm	54.99mm	47.991mm	20.40	4340 Billet	S14B23 Std Stroke	S14B23
C-BMW-002	87.00mm	54.99mm	47.991mm	20.50	4340 Billet	S14B25 Std Stroke	S14B25
C-BMW-004	95.00mm	54.99mm	47.991mm	19.50	4340 Billet	S14B25 Stroker Crank.	S14B25

M3 E36 S50 Series

C-BMW-005	85.70mm	60.00mm	50.00mm	23.50	4340 Billet	S50B30 Std Stroke	S50B30
C-BMW-006	91.00mm	60.00mm	50.00mm	23.60	4340 Billet	S50B32 Std Stroke / S50B30 Stroker	S50B32



CHEVROLET							
PART NUMBER	STROKE	MAIN JOURNAL	ROD JOURNAL	WEIGHT KG.	CRANK GRADE	FOOTNOTE	ENGINE NUMBER

Small block

C-SBC-001UL	3.750" / 95.25mm	62.21mm	53.34mm	22.10	4340 Billet	Lightweight Design	Suitable with all Chevy Small Block engines
C-SBC-002UL	3.480" / 88.39mm	62.21mm	53.34mm	21.90	4340 Billet	Lightweight Design	Suitable with all Chevy Small Block engines
C-SBC-003UL	3.300" / 83.82mm	62.21mm	53.34mm	21.50	4340 Billet	Lightweight Design	Suitable with all Chevy Small Block engines

LS1

C-LS1-001UL	4.000" / 101.60mm	65.00mm	53.34mm	23.80	4340 Billet	Lightweight Design	Suitable with all Chevy LS1 Engines
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CITROEN / PEUGEOT							
PART NUMBER	STROKE	MAIN JOURNAL	ROD JOURNAL	WEIGHT KG.	CRANK GRADE	FOOTNOTE	ENGINE NUMBER

1.6L 16v TU5J4 / TU5JP4

C-CIT-001L	89.00mm	49.98mm	44.98mm	13.20	4340 Billet	Stroker Crank. 1.8L	TU5J4 / TU5JP4
C-CIT-004L	82.00mm	49.98mm	44.98mm	10.10	4340 Billet	Std Stroke - Kit Car	TU5J4 / TU5JP4

1.6L Turbo 207 RC / DS3 (Prince - EP6)

C-MIN-002	85.80mm	45.00mm	45.00mm	15.00	4340 Billet	Std Stroke	Prince EP6 / EP6C / EP6DT / EP6DTS
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FIAT							
PART NUMBER	STROKE	MAIN JOURNAL	ROD JOURNAL	WEIGHT KG.	CRANK GRADE	FOOTNOTE	ENGINE NUMBER

1.6L Tempra, Ritmo, Punto

C-FIA-001UL	79.00mm	50.80mm	45.498mm	9.25	4340 Billet	Stroker Crank. 1.9L	159A
C-FIA-002L	67.40mm	50.80mm	45.498mm	9.50	4340 Billet	Std Stroke	159A

FORD							
PART NUMBER	STROKE	MAIN JOURNAL	ROD JOURNAL	WEIGHT KG.	CRANK GRADE	FOOTNOTE	ENGINE NUMBER

2.0L 16v Sierra / Escort / Cosworth YB

C-FOR-001L	77.00mm	56.99mm	51.99mm	18.50	4340 Billet	Std Stroke	N5B
C-FOR-002L	82.00mm	56.99mm	51.99mm	19.00	4340 Billet	Stroker Crankshaft	N5B
C-FOR-003L	84.00mm	56.99mm	51.99mm	19.20	4340 Billet	Stroker Crankshaft	N5B
C-FOR-004L	86.00mm	56.99mm	51.99mm	17.10	4340 Billet	Stroker Crankshaft	N5B

HONDA

PART NUMBER	STROKE	MAIN JOURNAL	ROD JOURNAL	WEIGHT KG.	CRANK. GRADE	FOOTNOTE	ENGINE NUMBER
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K20A2, K20Z1, K20A3

C-HON-003UL	93.00mm	55.00mm	48.00mm	16.80	4340 Billet	Stroker Crankshaft	K20A2, K20Z1, K20A3
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F20 as S2000

C-HON-006UL	84.00mm	55.00mm	48.00mm	13.30	4340 Billet	Std Stroke / Lightweight Design	F20C
C-HON-004UL	96.50mm	55.00mm	48.00mm	16.10	4340 Billet	Stroker Crankshaft	F20C
C-HON-005UL	103.0mm	55.00mm	48.00mm	16.30	4340 Billet	Stroker Crankshaft	F20C

LANCIA

PART NUMBER	STROKE	MAIN JOURNAL	ROD JOURNAL	WEIGHT KG.	CRANK. GRADE	FOOTNOTE	ENGINE NUMBER
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2.0L 16v Delta Integrale

C-LAN-001L	90.00mm	50.80mm	53.00mm	13.00	4340 Billet	Std Stroke	832CS / M16AT / M20L4T
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MINI COOPER

PART NUMBER	STROKE	MAIN JOURNAL	ROD JOURNAL	WEIGHT KG.	CRANK. GRADE	FOOTNOTE	ENGINE NUMBER
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1.6L R56 Turbo - N12B16 / N14B16

C-MIN-002	85.80mm	45.00mm	45.00mm	15.00	4340 Billet	Std Stroke	N12B16 / N14B16 / N18B16A / N18B16B / N18B16C
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1.6L R53 Supercharger - W11B16

C-MIN-001UL	85.50mm	54.97mm	48.00mm	12.75	4340 Billet	Std Stroke	W11B16
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MITSUBISHI

PART NUMBER	STROKE	MAIN JOURNAL	ROD JOURNAL	WEIGHT KG.	CRANK. GRADE	FOOTNOTE	ENGINE NUMBER
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4G63 EVO 4-9

C-MIT-001L	88.00mm	57.00mm	45.00mm	15.80	4340 Billet	Std Stroke	4G63T / 4G63
C-MIT-003L	94.00mm	57.00mm	45.00mm	15.90	4340 Billet	Stroker Crankshaft	4G63T / 4G63
C-MIT-002L	100.00mm	57.00mm	45.00mm	16.50	4340 Billet	Stroker Crankshaft	4G63T / 4G63

4B11 EVO - Stroker 2.2L

C-MIT-004L	94.00mm	51.986mm	51.98mm	16.41	4340 Billet	Stroker Crankshaft	4B11
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NISSAN							
PART NUMBER	STROKE	MAIN JOURNAL	ROD JOURNAL	WEIGHT KG.	CRANK. GRADE	FOOTNOTE	ENGINE NUMBER
SR20DET / SR20DE (Silvia / Primera / 200SX)							
C-NIS-001L	91.00mm	55.00mm	48.00mm	17.90	4339 Billet	Stroker Crankshaft	SR20DET / SR20DE / SR20VE / SR20VET
RB26DETT (Skyline R32 /R34)							
C-NIS-002L	73.70mm	54.965mm	47.97mm	18.80	4340 Billet	Std Stroke / Lightweight Design	RB26DETT / RB25DET
C-NIS-003L	77.70mm	54.965mm	47.97mm	19.50	4340 Billet	Stroker 2.8L / Lightweight Design	RB26DETT
VR38DETT (GTR)							
C-NIS-004UL	94.40mm	65.97mm	55.96mm	18.50	4340 Billet	Stroker Crankshaft	VR38 DETT

OPEL / VAUXHALL							
PART NUMBER	STROKE	MAIN JOURNAL	ROD JOURNAL	WEIGHT KG.	CRANK. GRADE	FOOTNOTE	ENGINE NUMBER
1.6L Turbo Z16LET (Corsa OPC)							
C-OPE-004	89.00mm	55.00mm	43.00mm	14.30	4340 Billet	Stroker Crankshaft 1.8L	Z16LER / A16LER / A16LET / Z16LEH
C-OPE-009L	81.50mm	55.00mm	43.00mm	11.70	4340 Billet	Std stroke w/ 4-Count.	Z16LER / A16LER / A16LET / Z16LEH
2.0L 16v C20 Engine							
C-OPE-005L	86.00mm	58.00mm	49.00mm	16.20	4340 Billet	Std Stroke	C20XE
C-OPE-002L	91.00mm	58.00mm	49.00mm	15.30	4340 Billet	Stroker Crankshaft	C20XE
2.0L 16v Z20 Engine							
C-OPE-007	86.00mm	58.00mm	49.00mm	18.70	4340 Billet	Std Stroke	Z20LET / Z20LEH / Y20LET / Z20LER
C-OPE-008	91.00mm	58.00mm	49.00mm	19.00	4340 Billet	Stroker Crankshaft	Z20LET / Z20LEH / Y20LET / Z20LER

RENAULT							
PART NUMBER	STROKE	MAIN JOURNAL	ROD JOURNAL	WEIGHT KG.	CRANK. GRADE	FOOTNOTE	ENGINE NUMBER
2.0L F7R / 2.0L F4R (De-Stroke)							
C-REN-002UL	90.00mm	54.80mm	48.00mm	15.50	4340 Billet	De-Stroke	F4R / F7R
2.0L F7R / 2.0L F4R							
C-REN-001UL	93.00mm	54.80mm	48.00mm	15.50	4340 Billet	Std Stroke	F4R / F7R

SUBARU

PART NUMBER	STROKE	MAIN JOURNAL	ROD JOURNAL	WEIGHT KG.	CRANK. GRADE	FOOTNOTE	ENGINE NUMBER
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EJ20 / EJ22 / EJ25

C-SUB-001UL	75.00mm	60.00mm	52.00mm	8.00	4340 Billet	Std Stroke 2.0L	EJ20 / EJ205 / EJ25 / EJ257 / EJ22ET
C-SUB-002UL	79.00mm	60.00mm	52.00mm	8.10	4340 Billet	Std Stroke 2.5L	EJ25 / EJ257
C-SUB-003UL	83.00mm	60.00mm	52.00mm	8.55	4340 Billet	Stroker Crankshaft 2.7L	EJ25 / EJ257

EG33 SVX

C-SUB-004UL	75.00mm	60.00mm	52.00mm	12.50	4340 Billet	Std Stroke	EG33
C-SUB-005UL	79.00mm	60.00mm	52.00mm	12.48	4340 Billet	Stroker Crankshaft	EG33

TOYOTA

PART NUMBER	STROKE	MAIN JOURNAL	ROD JOURNAL	WEIGHT KG.	CRANK. GRADE	FOOTNOTE	ENGINE NUMBER
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2.0L 3SGTE / 3SGE

C-TOY-001UL	93.00mm	55.00mm	48.00mm	17.20	4340 Billet	Stroker Crankshaft	3SGTE / 3SGE
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2.4L 5SFE w/ 3SGTE Journals

C-TOY-002UL	100.00mm	55.00mm	48.00mm	17.30	4340 Billet	Stroker Crankshaft	3SGTE / 3SGE / 5SFE
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3.0L 2JZ Supra

C-TOY-005L	94.00mm	61.994mm	51.991mm	22.30	4340 Billet	Stroker Crankshaft	2JZ-GTE
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VOLVO

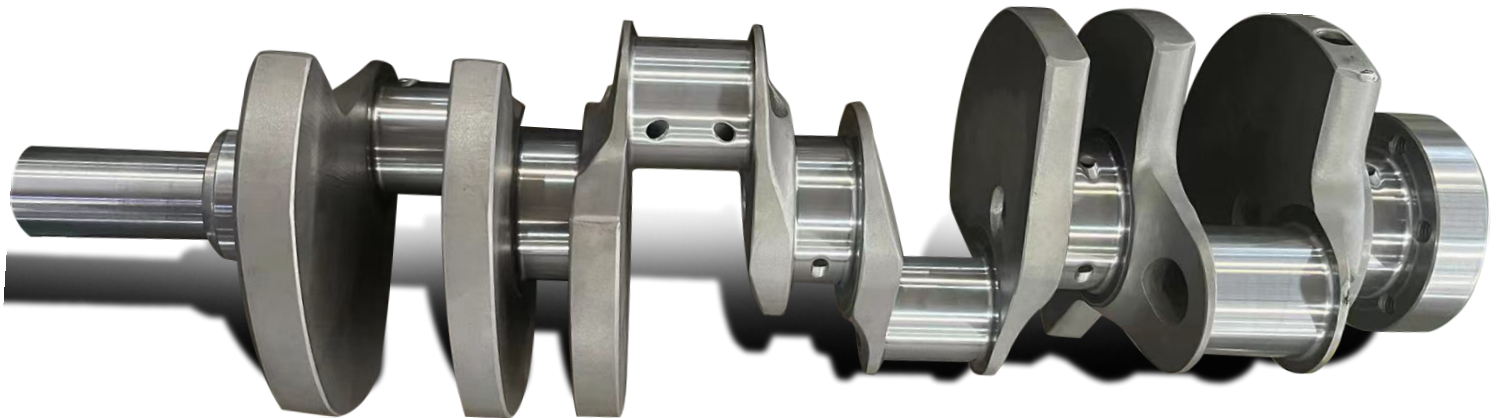
PART NUMBER	STROKE	MAIN JOURNAL	ROD JOURNAL	WEIGHT KG.	CRANK. GRADE	FOOTNOTE	ENGINE NUMBER
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2.3L 16v B234F / 2.0L 8v B230

C-VOL-001	80.00mm	63.00mm	49.00mm	21.20	4340 Billet	Std Stroker	B230 / B234
C-VOL-004	72.80mm	63.00mm	49.00mm	20.40	4340 Billet	DE-Stroke Crank.	B230 / B234
C-VOL-002	86.00mm	63.00mm	49.00mm	22.30	4340 Billet	Stroker Crankshaft	B230 / B234
C-VOL-003	81.20mm	63.00mm	49.00mm	21.30	4340 Billet	Stroker Crankshaft	B230 / B234

FORGED ***Crankshafts***

- » Premium select 4340 forged steel
- » Precision ground, stress relieved
- » Multi-step heat treatment process and nitrided for added strength
- » Straight shot & chamfered oil holes
- » Gun drilled mains and lightened rod journals for weight reduction
- » Aero wing counterweights
- » Pendulum undercut counterweights
- » Counterweights fully profiled
- » Micro polished large radius journals



4340 Forged Crankshaft

ZRP Forged crankshafts are machined in house using premium non-twist single-plane 4340 forgings. Precision, durability and quality are our main focus. In our 40 years of perfecting the art, we have tried and tested just about every combination. These crankshafts are fully customized to your needs, ZRP can make a crankshaft to meet your desired specifications. Like our billet crankshafts, each crankshaft is skillfully machined, precision finished, ion nitrided and heat treated for superior quality, extreme strength and durability. Using only state-of-the-art equipment and advanced techniques, ZRP is able to offer the automotive aftermarket world class, race-proven forged and billet crankshafts.

FORD

Part No.	Stroke	Main Journal		Rod Journal	Rod Journal Width	Rod	Bobweight	Balance	Oilhole
		M1-M4	M5						

351

35142506250	4.250	3.0001	2.1	1.9055	6250	1920	INT	NCD
35141706250	4.170	3.0001	2.1	1.9055	6250	1920	INT	NCD
35141256200	4.125	3.0001	2.1	1.9055	6200	1920	INT	NCD
35141006200	4.100	3.0001	2.1	1.9055	6200	1920	INT	NCD
35140006200	4.000	3.0001	2.1	1.9055	6200	1920	INT	NCD
35138756200	3.875	3.0001	2.1	1.9055	6200	1920	INT	NCD
35138506200	3.850	3.0001	2.1	1.9055	6200	1920	INT	NCD
35138006200	3.800	3.0001	2.1	1.9055	6200	1920	INT	NCD
35137506200	3.750	3.0001	2.1	1.9055	6200	1920	INT	NCD
35136256200	3.625	3.0001	2.1	1.9055	6200	1920	INT	NCD
35136006200	3.600	3.0001	2.1	1.9055	6200	1920	INT	NCD
35135626200	3.562	3.0001	2.1	1.9055	6200	1920	INT	NCD
35135006200	3.500	3.0001	2.1	1.9055	6200	1920	INT	NCD
35134806200	3.480	3.0001	2.1	1.9055	6200	1920	INT	NCD

352

35242506250	4.250	2.7492	2.1	1.9055	6250	1920	INT	NCD
35241706250	4.170	2.7492	2.1	1.9055	6250	1920	INT	NCD
35241256200	4.125	2.7492	2.1	1.9055	6200	1920	INT	NCD
35241006200	4.100	2.7492	2.1	1.9055	6200	1920	INT	NCD
35240006200	4.000	2.7492	2.1	1.9055	6200	1920	INT	NCD
35238756200	3.875	2.7492	2.1	1.9055	6200	1920	INT	NCD
35238506200	3.850	2.7492	2.1	1.9055	6200	1920	INT	NCD
35238006200	3.800	2.7492	2.1	1.9055	6200	1920	INT	NCD
35237506200	3.750	2.7492	2.1	1.9055	6200	1920	INT	NCD
35236256200	3.625	2.7492	2.1	1.9055	6200	1920	INT	NCD
35236006200	3.600	2.7492	2.1	1.9055	6200	1920	INT	NCD
35235626200	3.562	2.7492	2.1	1.9055	6200	1920	INT	NCD
35235006200	3.500	2.7492	2.1	1.9055	6200	1920	INT	NCD
35234806200	3.480	2.7492	2.1	1.9055	6200	1920	INT	NCD

302

30234705400	3.470	2.249	2.1	1.6874	5400	1750	INT	NCD
30234705400/G	3.470	2.249	2.1232	1.6874	5400	1750	INT	NCD
30234005400	3.400	2.249	2.1	1.6874	5400	1750	INT	NCD
30234005400/G	3.400	2.249	2.1232	1.6874	5400	1750	INT	NCD
30232505400	3.250	2.249	2.1	1.6874	5400	1750	INT	NCD
30232505400/G	3.250	2.249	2.1232	1.6874	5400	1750	INT	NCD
30231005400	3.100	2.249	2.1	1.6874	5090	1750	INT	NCD
30231005400/G	3.100	2.249	2.1232	1.6874	5090	1750	INT	NCD
30230005400	3.000	2.249	2.1	1.6874	5090	1750	INT	NCD
30230005400/G	3.000	2.249	2.1232	1.6874	5090	1750	INT	NCD

460

46041406700	4.140	3	2.2	2.0137	6700	2350	INT	NCD
46041606700	4.160	3	2.2	2.0137	6700	2350	INT	NCD
46043006800	4.300	3	2.2	2.0137	6800	2350	INT	NCD
46045006800	4.500	3	2.2	2.0137	6800	2350	INT	NCD
46046006800	4.600	3	2.2	2.0137	6800	2350	INT	NCD

CHEVY

Part No.	Stroke	Main Journal		Rod Journal	Rod Journal Width	Rod	Bobweight	Balance	Oilhole
		M1-M4	M5						

LS1

34636226125	3. 622	2. 558		2. 1	1. 9055	6. 125	1800	INT	NCD
34639006125	3. 900	2. 558		2. 1	1. 9055	6. 125	1800	INT	NCD
34640006125	4. 000	2. 558		2. 1	1. 9055	6. 125	1800	INT	NCD
34641006125	4. 100	2. 558		2. 1	1. 9055	6. 125	1800	INT	NCD
34641256125	4. 125	2. 558		2. 1	1. 9055	6. 125	1800	INT	NCD

350

35032505700	3. 250	2. 4492	2. 4488	2. 1	1. 9055	5. 700	1855	INT	NCD
35034805700	3. 480	2. 4492	2. 4488	2. 1	1. 9055	5. 700	1855	INT	NCD
35035005700	3. 500	2. 4492	2. 4488	2. 1	1. 9055	5. 700	1855	INT	NCD
35035625700	3. 562	2. 4492	2. 4488	2. 1	1. 9055	5. 700	1855	INT	NCD
35036255700	3. 625	2. 4492	2. 4488	2. 1	1. 9055	5. 700	1855	INT	NCD
35037505700	3. 750	2. 4492	2. 4488	2. 1	1. 9055	5. 700	1855	INT	NCD
35038006000	3. 800	2. 4492	2. 4488	2. 1	1. 9055	6. 000	1855	INT	NCD
35038756000	3. 875	2. 4492	2. 4488	2. 1	1. 9055	6. 000	1855	INT	NCD
35040006000	4. 000	2. 4492	2. 4488	2. 1	1. 9055	6. 000	1855	INT	NCD
35041256000	4. 125	2. 4492	2. 4488	2. 1	1. 9055	6. 000	1855	INT	NCD
35334805700	3. 480	2. 4492	2. 4488	2. 1	1. 9055	5. 700	1855	INT	NCD
35335005700	3. 500	2. 4492	2. 4488	2. 1	1. 9055	5. 700	1855	INT	NCD
35337505700	3. 750	2. 4492	2. 4488	2. 1	1. 9055	5. 700	1855	INT	NCD
35338756000	3. 875	2. 4492	2. 4488	2. 1	1. 9055	6. 000	1855	INT	NCD
35340006000	4. 000	2. 4492	2. 4488	2. 1	1. 9055	6. 000	1855	INT	NCD
35032505700LW	3. 250	2. 4492	2. 4488	2. 1	1. 9055	5. 700	1820	INT	NCD
35034805700LW	3. 480	2. 4492	2. 4488	2. 1	1. 9055	5. 700	1820	INT	NCD
35035005700LW	3. 500	2. 4492	2. 4488	2. 1	1. 9055	5. 700	1820	INT	NCD
35037505700LW	3. 750	2. 4492	2. 4488	2. 1	1. 9055	5. 700	1820	INT	NCD
35038006000LW	3. 800	2. 4492	2. 4488	2. 1	1. 9055	6. 000	1820	INT	NCD
35038756000LW	3. 875	2. 4492	2. 4488	2. 1	1. 9055	6. 000	1820	INT	NCD
35040006000LW	4. 000	2. 4492	2. 4488	2. 1	1. 9055	6. 000	1820	INT	NCD
35034805700LA	3. 480	2. 4492	2. 4488	2. 1	1. 9055	5700	1710	INT	NCD
35035005700LA	3. 500	2. 4492	2. 4488	2. 1	1. 9055	5700	1710	INT	NCD
35037505700LA	3. 750	2. 4492	2. 4488	2. 1	1. 9055	5700	1710	INT	NCD

400

40034805700	3. 480	2. 6494	2. 6488	2. 1	1. 9055	5700	1900	INT	NCD
40035005700	3. 500	2. 6494	2. 6488	2. 1	1. 9055	5700	1900	INT	NCD
40035625700	3. 562	2. 6494	2. 6488	2. 1	1. 9055	5700	1900	INT	NCD
40036255700	3. 625	2. 6494	2. 6488	2. 1	1. 9055	5700	1900	INT	NCD
40037505700	3. 750	2. 6494	2. 6488	2. 1	1. 9055	5700	1900	INT	NCD
40038006000	3. 800	2. 6494	2. 6488	2. 1	1. 9055	6000	1900	INT	NCD
40038756000	3. 875	2. 6494	2. 6488	2. 1	1. 9055	6000	1900	INT	NCD
40040006000	4. 000	2. 6494	2. 6488	2. 1	1. 9055	6000	1900	INT	NCD
40041256000	4. 125	2. 6494	2. 6488	2. 1	1. 9055	6000	1900	INT	NCD
40037505700LW	3. 750	2. 6494	2. 6488	2. 1	1. 9055	5700	1820	INT	NCD
40038756000LW	3. 875	2. 6494	2. 6488	2. 1	1. 9055	6000	1820	INT	NCD
40040006000LW	4. 000	2. 6494	2. 6488	2. 1	1. 9055	6000	1820	INT	NCD

CHEVY

Part No.	Stroke	Main Journal		Rod Journal	Rod Journal Width	Rod	Bobweight	Balance	Oilhole
		M1-M4	M5						

454-6

45440006135-6	4.000	2.7496	2.7488	2.2	2.0118	6.135	2300	INT	NCD
45441256385-6	4.125	2.7496	2.7488	2.2	2.0118	6.385	2300	INT	NCD
45442506385-6	4.250	2.7496	2.7488	2.2	2.0118	6.385	2300	INT	NCD
45443756535-6	4.375	2.7496	2.7488	2.2	2.0118	6.535	2300	INT	NCD
45445006535-6	4.500	2.7496	2.7488	2.2	2.0118	6.535	2300	INT	NCD
45446256700-6	4.625	2.7496	2.7488	2.2	2.0118	6.700	2300	INT	NCD
45447506700-6	4.750	2.7496	2.7488	2.2	2.0118	6.700	2300	INT	NCD
45640006135-6	4.000	2.7496	2.7488	2.2	2.0118	6.135	2300	INT	NCD
45641256385-6	4.125	2.7496	2.7488	2.2	2.0118	6.385	2300	INT	NCD
45642506385-6	4.250	2.7496	2.7488	2.2	2.0118	6.385	2300	INT	NCD
45643756535-6	4.375	2.7496	2.7488	2.2	2.0118	6.535	2300	INT	NCD
45645006535-6	4.500	2.7496	2.7488	2.2	2.0118	6.535	2300	INT	NCD
45646256700-6	4.625	2.7496	2.7488	2.2	2.0118	6.700	2300	INT	NCD
45647506700-6	4.750	2.7496	2.7488	2.2	2.0118	6.700	2300	INT	NCD

454-8

45440006135-CCW	4.000	2.7496	2.7488	2.2	2.0118	6.135	2350	INT	NCD
45441256385-CCW	4.125	2.7496	2.7488	2.2	2.0118	6.385	2350	INT	NCD
45442506385-CCW	4.250	2.7496	2.7488	2.2	2.0118	6.385	2350	INT	NCD
45443756535-CCW	4.375	2.7496	2.7488	2.2	2.0118	6.535	2350	INT	NCD
45445006535-CCW	4.500	2.7496	2.7488	2.2	2.0118	6.535	2350	INT	NCD
45446256700-CCW	4.625	2.7496	2.7488	2.2	2.0118	6.700	2350	INT	NCD
45447506700-CCW	4.750	2.7496	2.7488	2.2	2.0118	6.700	2350	INT	NCD
45640006135-CCW	4.000	2.7496	2.7488	2.2	2.0118	6.135	2350	INT	NCD
45641256385-CCW	4.125	2.7496	2.7488	2.2	2.0118	6.385	2350	INT	NCD
45642506385-CCW	4.250	2.7496	2.7488	2.2	2.0118	6.385	2350	INT	NCD
45643756535-CCW	4.375	2.7496	2.7488	2.2	2.0118	6.535	2350	INT	NCD
45645006535-CCW	4.500	2.7496	2.7488	2.2	2.0118	6.535	2350	INT	NCD
45646256700-CCW	4.625	2.7496	2.7488	2.2	2.0118	6.700	2350	INT	NCD
45647506700-CCW	4.750	2.7496	2.7488	2.2	2.0118	6.700	2350	INT	NCD

DODGE

Part No.	Stroke	Main Journal		Rod Journal	Rod Journal Width	Rod	Bobweight	Balance	Oilhole
		M1-M4	M5						

440

44037506760	3.750	2.7503		2.3748	2.0511	6.760	2550	INT	NCD
44041506760	4.150	2.7503		2.3748	2.0511	6.760	2550	INT	NCD
44042506800	4.250	2.7503		2.2	2.0118	7.100	2550	INT	NCD
44047507100	4.750	2.7503		2.2	2.0118	7.100	2550	INT	NCD
(440)40037506760/(440)40041506760	3.750-4.150	2.6251		2.3748	2.0118	6.760	2550	INT	NCD
(440)40039006760/(440)40042506800	3.900-4.250	2.6251		2.2	2.0118	6.800	2300	INT	NCD

BUICK

Part No.	Stroke	Main Journal		Rod Journal	Rod Journal Width	Rod	Bobweight	Balance	Oilhole
		M1-M4	M5						

V6

V6-23136255967	3. 625	2. 4996	(M1-M4)	2. 2494	0. 8618	5967	880	INT	NCD
V6-23134005967	3. 400	2. 4996	(M1-M4)	2. 2494	0. 8618	5967	880	INT	NCD

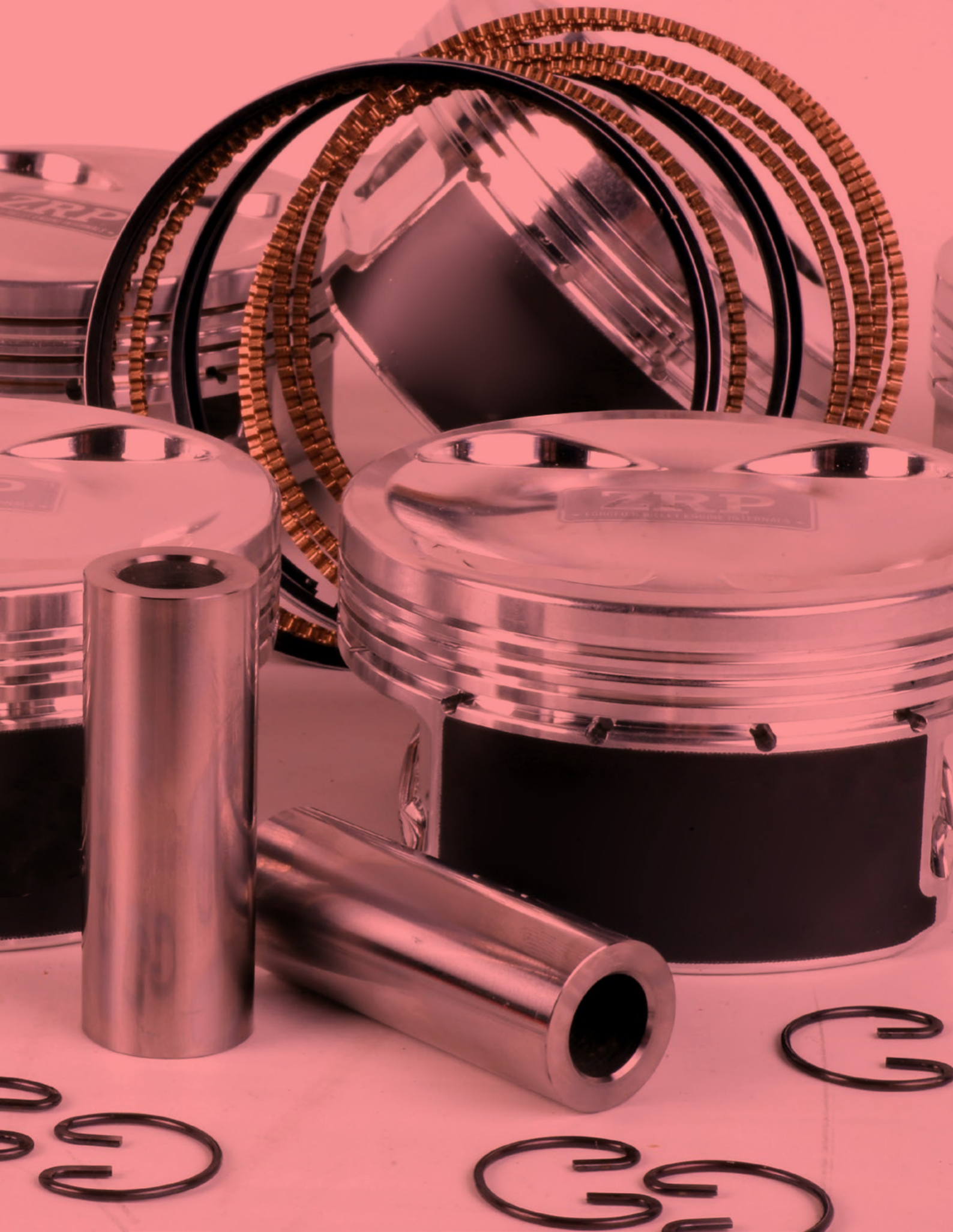
PONTIAC

Part No.	Stroke	Main Journal		Rod Journal	Rod Journal Width	Rod	Bobweight	Balance	Oilhole
		M1-M4	M5						

45540002250 (PON)	4. 000	3. 25		2. 2496	2. 0145		2300	INT	CD
45542102250 (PON)	4. 210	3. 25		2. 2496	2. 0145		2300	INT	CD
45542502200 (BBC)	4. 250	3. 25		2. 2496	2. 0047		2300	INT	CD
45545002200 (BBC)	4. 500	3. 25		2. 2496	2. 0047		2300	INT	CD
455 40037502250 (PON)	3. 750	3		2. 2496	2. 0145		2300	INT	CD
455 40042102250 (PON)	4. 210	3		2. 2496	2. 0145		2300	INT	CD
455 40042502200 (BBC)	4. 250	3		2. 2	2. 0047		2300	INT	CD
455 40045002200 (BBC)	4. 500	3		2. 2	2. 0047		2300	INT	CD
455 40047502200 (BBC)	4. 750	3		2. 2	2. 0047		2300	INT	CD



FORGED PISTON



SUPERSPORT SERIES PISTON TERMINOLOGY



1. Clip cuts on the edge of the pistons on the Intake side
2. Anti-detonation grooves act also as small pressured gas reservoirs to keep the piston from rattling on high RPM, damaging the top of the cylinder and rounding the top edge of the piston. This also helps reduce detonation waves protecting the first ring from damage (Long wear life and performance).
3. Gas pressure accumulator groove in the 2nd ring land. This acts as a shock absorber using the residual combustion gasses to improve ring seal and relieve the first ring from vibration. This as an effect has longer wear life.
4. Precision CNC machined ring grooves
5. 4032-T6 high-silicon / low-expansion alloy
6. Horizontal slots in the pin bore designed to allow oil to enter between the wrist-pin and pin-bore area.
7. Honed pin bores
8. Full Round skirt design with bottom reinforcing band for High HP and Boost applications (Turbo application)
9. Pistons designed to optimize squish for longer engine life and increased horsepower potential
10. Valve Pockets designed to allow over size valves and high lift camshafts



REDEFINE BRAKE CALIPER





Natural born strong Designed for off-road

REDEFINE is a high performance brake brand of JSW, whose main products are automotive brake calipers, high performance brake pads, high performance stainless steel brake lines and brake related accessories, with markets in China, Europe, North America, Latin America, Southeast Asia, Middle East and Africa.

REDEFINE emphasizes investment in R&D and has a professional R&D team led by top technical experts at home and abroad, specializing in off-road design of large six-piston performance brake kits. REDEFINE advocates the synchronization of basic material research, automotive brake application research and testing and standards research, emphasizing accumulation.

- The specific brake kits for off-road vehicles is easy to install and the effect is better
- Integrated rotor and hat, More stable performance
- Built-in fluid crossover tube, More safe off-road
- Forged brake calipers, Higher strength





HIGH PERFORMANCE BRAKE ROTORS

As one of the early engaged in brake modification enterprises in China, JSW is committed to building an excellent national brake brand.

After 20-year painstaking research and development, the two key technologies of high-performance brake rotors: carbon content and heat treatment process, have been continuously improved and stabilized.

From track to street, with JSW high performance brake rotors have been launched, it becomes cost-effective substitute for well-known brands such as AP RACING, ENDLESS, BREMBO and STOPTECH. It has been recognized and favored by many cars fellow over the years.



Carbon ceramic rotors

High performance original integrated rotors

High performance modified split rotors



BRAND	MODEL	YEAR	FRONT	OE
TOYOTA	FORTUNER	2004-2015	297-25	43512-0K060
	COROLLA (_E9_)	1987-1992	238-18	43512-12250
	Corolla AE9 1.6i 16V 87>		238-22	4351212580
	HILUX(_N1_, _N2_, _N3_)	2005-2015	255-28	43512-0K010
	HILUX VI Pickup	2000-2005	289-20	43512-35190
	Carina 1.6 92-97		255-25	4351220470, 435122
	4RUNNER 95-96/LAND CRUISER (J90) 3.0-3.4 96-		319-22	4351235210
	PRADO(J12)	2004-2009	319-28	43512-35320
	Land Cruiser Prado (J90) [312X18] 6 holes [MIN 2]	rear perforated ventilated	312-18	4243160200, 4243160201, 590280752
	Land Cruiser 200 4.7/4.5D 07>		345-18	424310C010
	LAND CRUISER(J200)	2008-2014	340-32	43512-60180
	Yaris 1.0-1.5 99-		255-20	4351252040
	Chery Tiggo 02-		303-9	4243142041
	Rav4 (00-)			
	RAV 4 II 1.8-2.0 00-06			
	Rav 4 III 08-, Rav 4 IV 12-		281-12	4243142060
	AURIS/CAMRY/PRIUS/RAV4	front ventilated	296-28	4351242050; 4351233130, 590281020
	TOYOTA Rav 4, 2.0-3.5, 08-		328-28	4351248110, 590282552
	Auris 07-, Corolla 04-		275-22	4351212670
LEXUS	RX		328-28	4351248110, 590282552
	GS 300/350/400/430/450h/460	front right	334-30	4351222260; 4351630020, 590282320
	IS III 200, 250, 300h, 350			
	GS 300/350/400/430/450h/460	front left	334-30	4351622010, 590282220
	IS III 200, 250, 300h, 350			
	LX 5.7 08>		345-18	424310C010
	GX (GRJ15)	2012-	338-32	43512-60191
	GX (GRJ12)	2001-2009	338-28	43512-60151
	ES(VCV10_, VZV21_)	1996-1997	275-28	43512-06040
	ES 06-	front ventilated	296-28	4351242050; 4351233130, 590281020
	ES (V4-V6)	2009-2018	296-28	43512-06090
HONDA	二代 II CR-V (RD)	2001-2007	300-25	45251-S9A-E50
	三代 III CR-V (RE)	2007-2012	296-28	45251-STK-A00
	CR-V III 07->		293-28	45251SWWG01, 45251T1EG00, 280317520
	CR-V 2.0/2.2/2.4 07-			
	CR-V 07=>		302-10	42510SWWG01, 42510T1GG00, 280318220
	Accord 2.4		300-28	45251S0X000



BRAND	MODEL	YEAR	FRONT	OE
HONDA	CR-V I 95-02		282-23	45251SP0000
	HR-V 99-			
	Integra 97-01			
	Legend III 96-			
	Odyssey 97-02, Pr			
Acura	CL/MDX/TL 99-06		300-28	45251S0X000
GWM	C30	2012-	255-22	43512-12550
HYUDNAI	I30/I40/IX35/SONATA V 05-/TUCSON 2.0/CRDI/2.7 04-	front ventilated	320-28	517122T000; 517122T100, 285351920
	Solaris/Accent 11-		256-22	517120U000, 517121R000, 320380920
	Accent Solaris/Accent 11		262-10	584110U300, 08C17210, DF7928
	SANTAFE (DM)	2012-	320-28	51712-2W000
	Accent I	1994-2000	242-19	51712-21350
	i10	2008-2011	252-18	51712-0X700
	i40	2018-2019	300-28	51712-3K110
	i40 (VF) 1.6 GDI [G4FD] 135 hp 2012 -		300-10	584113Z700, 285352620
	i30	2007-2011	262-10	58411-1H300
	COUPE II (GK)	2002-2009	280-26	51712-2E300
	solaris	2000-2005	241-19	51712-25060
	TUCSON (TLE)	FRONT	305-25	51712D7000, 285353120, 285353152
	TUCSON (TLE)	REAR	302-10	58411D7700, 285353320
	TUCSON		280-26	517122C000, 517123K010, 517122K100, 517121H000
	Accent III	2005-2010	256-22	51712-1G000
	Accent LC 00- 241*19*4		241-19	5171225060, 5171225061
	Getz (02-)		241-19	517121C000
	VERNA		256-22	517121G000, 51712C8000, 320380320
	ELantra XD 00-		257-24	517122D310
	Matrix FC 01-			
KIA	SPORTAGE 2.0CRDI 10-	front ventilated	320-28	517122T000; 517122T100, 285351920
	MAGENTIS, SPORTAGE 96-		280-26	517122C000, 517123K010, 517122K100, 517121H000
	RIO 05-		256-22	517121G000, 51712C8000, 320380320
	Rio III 11-		256-22	517120U000, 517121R000, 320380920
	Rio III 11-		262-10	584110U300, 08C17210, DF7928
	SPORTAGE (QL)	FRONT	305-25	51712D7000, 285353120, 285353152
	SPORTAGE (QL)	REAR	302-10	58411D7700, 285353320
	SORENTO (XM)	2009-	280-26	51712-3K000
	PICANTO I	2004-2011	241-18	51712-07500
	Cerato 06-		257-24	517122D310
	CEE'D/PRO CEE'D 1.4/1.6GDI/CVVT/CRDI 12-		280-23	517122V000, 51712A6000, 285352752



BRAND	MODEL	YEAR	FRONT	OE
MAZDA	B-SERIE 99-/BT-50 06-		289-28	UM5133251
	B-TRUCK (UD/UF)	1982-1996	256-20	UB39-33-251
	CX-5 (KE, GH) 2.0-2.2 07.2012-		303-10	K01126251, K01126251A, 370305620
	Mazda 2 98-08		258-22	3555344, 3573537, 3049893, 4077455
	CX-7/CX-9		320-28	EH143325XA
	MAZDA 626 92-, Xedos 6 92-, Premacy 99-		258-24	3395510, F32Z1125A, GA2Y3325
	Mazda 6, CX-5, 2.0, 11-		297-28	GHP933251
	MAZDA 6 07>/MX-5 08>/MAZDA 323 01>04/MAZDA 626 99>02		280-10	08A11211
	MAZDA 6 - 2.0 (150 л.с.) и 2.5 (192 л.с.).		278-10	GHT226251, 370305220
	MAZDA 6/MX-5 III 01/08->>, Mazda 6 02-, 6 Hatchback 02-, 6 Station Wagon 02-, 6 07-, Pre 280*10*5		280-10	GF3Y26251A, N12326251A, 370307520
Suzuki	ALTO VI (FF)	2004-2008	231-17	55311-75F00
	BALENO (EG)	1995-2002	235-20	55311-61G00
Chevrolet	AVEO	2011-	256-24	13502001
	Aveo 03-08		236-20	90511111, 90121445, 90008006, 569031
	Aveo (T300) 11-, Cruze 09-		276-26	13502044, 13502045
	MATIZ	2010-	236-12.5	96455424
	CAPTIVA 06/08-		296-29	20955857, 96625948, 430261220
	Aveo 08-, Kalos 05-, Matiz 05-, Spark 05-		236-20	96574633, 96471274
	Lacetti		256-24	96328338, 96549782
	CRUZE 1.6		268-12	13502136, 13502134, 430262220, 13502135
	Cruze 09-			
	Trax 12-			
BUICK	Encore	2012-	268-12	13502135
	EXCELLE Estate	2008-2013	258-10.5	96549630
isuzu	D-MAX I (TFR, TFS)	2002-2012	257-22	8-94172-376-1
Dacia	LOGAN (LS_)	2011-2012	259-20.6	7700813549
	Logan MCV 07-		260-12	8200123117
AUDI	A6/A7/Q5 08-, A4 Allroad (8KH, B8) 2.0 TDI quattro [CGLC] 177 hp diesel 2011 —		330-22	95B615601A
				80A615601C
				100335820
				100335852
	COAT Z A3 (8P1) 2.0 FSI 2003-H. B.		345-30	1K0615301M, 1K0615301AB, 100330120
	A6/A7/Q5 08-	front ventilated	345-30	4G0615301, 4G0615301G, 100335620
	AUDI 100 2, 8L ->90/A4/A6 ->06		288-25	4A0615301C, 4A0615301D, 100121620
	AUDI A2 1.4/1.6FSI/1.4TDI 00-05	front ventilated	256-22	8Z0615301D, 8Z0615301B, 100124620
	A3		312-25	1K0615301AA, 5Q0615301F, 100330052



BRAND	MODEL	YEAR	FRONT	OE
AUDI	A3		288-25	1J0615301R, 1J0615301S, 100124720
	A3		272-10	1K0615601AA, 5Q0615601D, 600324120
	A3 03		282-12	1K0615601M, 1K0615601AD, 100331520
	A4 (B5)		280-22	8E0615301B , 8E0615301D
	A4/A5/Q5 07-		320-30	8K0615301A, 100333120
	Audi A4/A5/S5/A6/A7/A8/Q5 1.8/3.2/2.0TDI/3.0TDI 15>		318-30	80A615301E, 8W0615301AA, 100337720
	AUDI R Q7 3, 0/4, 2		330-28	95535240130, 600322954
	AUDI A6 04-> A8		321-30	4F0615301E, 100331852
	A8 3. 7/4. 2/6. 0/4. 0TDI 02>		310-22	4E0615601K, 4E0615601A, 100331152
	AUDI Q7 II (4M) AUDI Q7 II (4M) 3.0 TDI		350-28	4M0615601J, 100337620
	AUDI Q5 (8R) 2.0 TDI quattro 150 hp /2.0 TFSI 220 hp /3.0 TDI		320-30	8R0615301C, 8R0615301E, 100336120
	AUDI A4/A5 07-/A6/A7 10-/Q5 08-		320-30	8R0615301, 8R0615301D, 100335520
Renault	A4, A5 16~, A4 Allroad, A5 (F53)		349-34	80A615301G, 4M0615301AB, 100337352
	Duster 1.5D 10-,		280-24	402060010R
	Megane 1.2-2.0, 1.5D-1.9D, 08-			
	Clio 00-, Kangoo 01-07, Laguna 93-01, Megane 92-08, Scenic		280-24	7701206118, 7701205230
	LAGUNA 2.0 16V/2.0 DCI/3.0 DCI/3. 5 V6/III 2.0 16V/2.0 DCI/3.0 DCI F 07/08->>		296-26	402060002R, 402066813R, 470243220
	Clio/Megane/R19 1.4-1.9Tdi 90>		259-20.6	7701205653
	Duster 1.5-2.0, 10-		269-22.5	402061715R, 402066300R
VW	Logan 1.4/1.5dCi/1.6 04-		260-12	8200123117
	Caddy III 04-		288-25	1K0615301T
	Golf V 03-, Golf			
	GOLF 03-12 COAT Z		272-10	1K0615601AA, 5Q0615601D, 600324120
	BORA/GOLF 1.8T/2.3/1.9TDI 96>		288-25	1J0615301R, 1J0615301S, 100124720
	GOLFFV/PASSAT 1.4TSI/1.6/2.0TDI 05>		312-25	1K0615301AA, 5Q0615301F, 100330052
	TOUAREG 16'/T5 16' 03/->>		308-29.5	7H0615301D, 7E0615301D, 600322320
	Passat 96-00		280-22	8E0615301B , 8E0615301D
	Passat B5			
	PASSAT R		282-12	1K0615601M, 1K0615601AD, 100331520
	KOMBI (1Z5)			
	VW Corrado 89-95, Golf 91-03, Jetta 86-91, Lupo 99-, Passat 88-97		256-20	321615301D, 6N0615301D
	MULTIV/TRANSP T5 03/-		294-22	7H0615601B, 7E0615601D, 600323220
	TRANSPORTER/MULTIVAN 03- SPORT Coat Z	front ventilated	340-32.5	7E0615301C, 600324952



BRAND	MODEL	YEAR	FRONT	OE
VW	TOUAREG 02-10/TRANSPORTER V 03-09		314-22	7L6615601E
	VW TOUAR 2, 5-6, 0 02/06-		330-28	95535240130, 600322954
	VW LT46 96-		285-22	2D0615601B, 9044230212
	TOUAREG (7P5) 3.0 V6 TDI	01. 2010-05. 2011	360-36	95835140301, 7P6615301, 600324720
	TOUAREG		330-32	95535140240, 600322555
	TOUAREG		330-32	95535140140, 600322454
	TOUAREG		350-34	95535140250; 95535140251, 600322720, 600322755
SKODA	Octavia 04-		288-25	1K0615301T
	SuperB 02-08, 08-			
	SUPERB		272-10	1K0615601AA, 5Q0615601D, 600324120
	OCTAVIA			
	OCTAVIA/NB 1.8T/1.9TDI		288-25	1J0615301R, 1J0615301S, 100124720
	OKTAVIA (123)		282-12	1K0615601M, 1K0615601AD, 100331520
OPEL	Astra J 09- , Mokka 12-		268-12	13502136, 13502134, 430262220, 13502135
	ASTRA J 1.3-2.0 F 09/			
	Astra J 09-		276-26	13502044, 13502045
	Astra J, Astra J GTC		321-30	569077, 569092, 430262920
	ANTARA		296-29	20955857, 96625948, 430261220
	ASTRA H 1.4-2.0TDI/2.2TDI 98> ZAFIRA 1,8-2L/R/	REAR	264-10	9117772, 90575113, 430148520
		FRONT	280-25	430148320
	Corsa		236-20	90511111, 90121445, 90008006, 569031
	Astra			
	Ascona			
	Vectra			
	Astra H (04-)		256-24	569059
	ASTRA F		256-24	90487402, 93182282
	CALIBRA A			
SEAT	Exeo 09-		280-22	8E0615301B , 8E0615301D
Ford	Focus		258-22	3555344, 3573537, 3049893, 4077455
	Fiesta IV, V			
	Fusion			
	Ka			
	Street Ka			
	Puma			
	Focus II 04-/Focus C-Max 03-07/ C-Max 07-		278-25	1223663, 1223665, 1253729
	Transit 2012 -		288-33	1763885
	Transit 06-		280-16	1371420, 1464031
	Probe 93-98		258-24	3395510, F32Z1125A, GA2Y3325
	Mondeo (00-)		280-12	4179406
	RANGER 05-		289-28	UM5133251



BRAND	MODEL	YEAR	FRONT	OE
Nissan	JUKE 10-		280-24	402061KA2A, 402061KA3A, 402061KA3B, 402063ST0 A
	Almera Classic B10 (06-)		257-22	4020671E00
Daewoo	Lanos		236-20	90511111
	Lanos, Nexia		236-20	90121445, 90008006, 569031
	Matiz 0.8/1.0 98-		236-12.5	96284392, 96320531, 96455424
	Nubira 03- 1.4 16V, 1.6, 1.8		256-24	96328338, 96549782
	Nexia		236-21	90511111
	NEXIA		256-24	90487402, 93182282
	LANOS			
	ESPERO			
BMW	X5 (00-)		332-30	34116750713
	BMW X5 07/00->		332-30	34116756045, 34116765457, 150129852
	X5 (E70) 3.0SI/3.0D		320-20	34216771970, 34216793247, 150345020
	BMW X5 (E70) 4. 8i BRD 07-10		365-36	34116771982, 34116793243, 150344920
	X5 (07-), X6 E70/E71 F 07/08->>		348-30	34116771986, 30093218, 150344852
	BMW X5 (E70) M 50 d 08.2011 - 06.2013 / X5 (E70) xDrive 50 i 06.2010 -		385-36	34116782068, 150291820
	X6 3.0i/3.0-3. 5D 07>		320-21	34216771970, 34216793247, 150345021
	BMW 5 E60/E61 6 E63/E64 F 03/07-		324-30	34116767269, 34116753221, 150340352, 150340320
	BMW 5 (G30, F90) 520 d 09.2016, BMW 5 (G30, F90) 520 d xDrive 09.2016 -, BMW 5 (G30, F90) 520 d xDrive 09.2016 (330x24, 0x66)		330-24	34116860907, 150295120
	BMW F10/F11 2.0/2.3/3.0/2.0D 10- 330X24 Sport Coat Z	front ventilated	330-24	34116793123, 34116794429, 150348252
	BMW F10/F11 2.0-2.8/2.0D-3.0D 10-		330-20	34216775287, 150348420
	BMW F30/F31/F34 2.0/2.8/1.8D/2.0D 11-		300-20	34216792229, 34216864900, 150290220
	BMW 5 (E39) 96-03		296-22	34111163013
	BMW 5 (03-)		310-24	34116756745
	BMW 5(F10) 10-> 5 GRAN TURISMO		348-36	34116785670, 150347920
	BMW E90, F30-34 1.8-2.5 05-		312-24	34116855006
	Gran Turismo (F07) 550 i 10.2009 - 5 Gran Turismo (F07) 550 i xDrive 09.2010 -		370-24	34216775291, 150291620
	BMW 5 (G30, F90) 525 d 07.2017		348-30	34116860909, 150295620
	BMW 5 Touring (G31) 530 i 03.2017			
	BMW 7 (G11, G12) 725 d,Ld 09.2015 -			
	BMW 5 (F07, F11, F10, F18)/7 (F01, F02, F03, F04) 09>	front left	374-36	34116785675, 150291220
		front right		34116783778, 34116789544, 150291520
	BMW E87/E81 120D E90 04-05->		300-20	34216764651, 34216855007, 150342620



BRAND	MODEL	YEAR	FRONT	OE
BMW	BMW F10/F11 2.8/3.0/2.5D/3.0D 10-		348-30	34116775277, 150348320
	BMW VI (F10) 535i xDrive [N55 B30 A] 306 hp		348-30	34116775277, 150348320
	BMW 1 (F20)/3 (F30)		300-22	34116792217, 150349720, 150349752
Benz	C-CLASS (W205)		295-24	A0004212412, 400550730
	C 160 (205.044) 04.2015 -			
	C-CLASS (W205)		318-30	A0004212112, 400551830
	C 160-220 (205.044)	04.2015-05.2018		
	M-CLASS (166) ML 250 CDI BlueTEC 4-matic (166.004) 06.2011-		350-32	A1664211012, 400368520
	M-CLASS (166) ML 350 4-mat			
	Sprinter96-06		285-22	2D0615601B, 9044230212
	E-class (95-)		290-10	A1244231112
	W211 300*10 R 02/09->>		300-10	A2114230712, A0004231012, 400362120
	GL-CLASS (X166) GL 350 BlueTec 4-matic (166.823, 166.824) 07.2012-GL-CLASS (X166) GL		345-22	A1664230312, 400368820
	GL-CLASS (X166) GL 63 AMG 4-matic (166.874) 07.2012 -		345-26	A1664230512, 400369920
	W166/X166 63AMG 4MATIC 11- З А Д В Е Н Т			
	GLK-class (08-)		330-32	A2044212912
	MER M-CLASS W164 R-CLASS W251 05/06->>		330-32	A1644210412, A1644211312, 400364820
	GL-KLASSE (X166) GL 63 AMG 4-matic, GL-KLASSE (X166) 12-		390-36	A1664210512, 400369820
	M-KLASSE (W166) 11- П Е Р П Е Р Ф О 390X36			
	MERCEDES GLE (GL-KLASSE (X166) 12->, BlueTec 4-matic (166.823, 166.824) 07.2012 - GLE (W166) 15-> ML350/ML400 11-> 350X32		350-32	A1664210712, 400550020
Citroen	Berlingo I (MF) 00-08		283-26	4246W8
	Berlingo II 08-			
	C3 I (FC) 02-09			
	C3 II 09-			
	Berlingo 97-, C2 03-, C3 02-, C4 04-, C5 01-08, DS3 09-, Xsara 97-, Xsara Pic		266-22	4246W7, 4246W1, 424915
	C-Crosser 07-		294-24	MR205215
Mitsubishi	Lancer 08-		294-24	MR205215
	Outlander I 03-06			
	Outlander			
	Outlander XL (05-)		302-10	4249F4
	Lancer Sportback X (CX_A) 1.8 [4B10] 143 hp 2008 —		262-10	MN116332, 4615A119, 380211020



BRAND	MODEL	YEAR	FRONT	OE
Mitsubishi	GALANT VI/LANCER 1.3-2.0 03 ->		276-26	MR510741, MR510742, 380216820
	LANCER 2.0 03->/OUTLANDER I 03->		276-26	MR510966, MR510967, 380217020
SUBARU	FORESTER		286-10	26700FG000, SU00300639, 530246520
	IMPREZA			
	LEGACY			
	OUTBACK 08-			
	JUSTY III	2001-2003	231-17	55311-60B30
	Trezia	2011-	275-22	43512-02240
	IMPREZA 98-> F		293-24	26300AE060, 26300AE061, 530245820, 530245800
	FORESTER 2 0 TURBO			
	IMPREZA 96-> FORESTER		265.5-10	26310AA040, 26310AA050, 530245920, 530245900
	SUBARU [326X30] 5 holes	front ventilated	316-30	26300AG000, 26300AG001, 530246420, 530246452
Land Rover	DISCOVERY IV (LA) 3.0 SDV6		360-30	SDB000622, SDB000623, 450520220
	DISCOVERY IV (LA) 3.0 TD			
	RANGE ROVER IV (L405) 5.0 4x4, 3.0 D Hybrid 4x4	front ventilated	380-34	LR016176, 450521252, 450521220
Porsche	CAYENNE R17'' 330*32 F L 02/07->>		330-32	95535140140, 600322454
	CAYENNE R17'' 330*32 F R 02/07->>		330-32	95535140240, 600322555
	CAYENNE R18'' 350*34 F R 02/07->>		350-34	95535140250; 95535140251, 600322720, 600322755
	CAYENNE 32/S4, 5		330-28	95535240130, 600322954
	MACAN 2.0 07.2014 - MACAN 3.0 S 02.2014 MACAN 3.0 S Diesel 02.2014 -	front perforated right	350-34	95B615302, 95B615302F, 460155352
	MACAN 2.0 07.2014 - MACAN 3.0 S 02.2014 MACAN 3.0 S Diesel 02.2014 -	front perforated left	350-34	95B615301, 95B615301F, 460155252
VOLVO	XC 90 I 2.5-3.2		328-30	31400893, 31262489, 610371920
	C30 06-/C70		278-25	1223663, 1223665, 1253729
Ssang Yong	Actyon/Kyron/Rexton 2.0, 2.7XDI 05>		299-10.5	4840109001
JAGUAR	XF/XJ/XK 03 SPORT		355-32	C2C25337, T2R5939, 290226452

★ The Brake Rotors above are belong to some brands vehicles,if you need to customize other models vehicles' Brake Rotors,please contact manufacturer.



HIGH PERFORMANCE BRAKE PADS

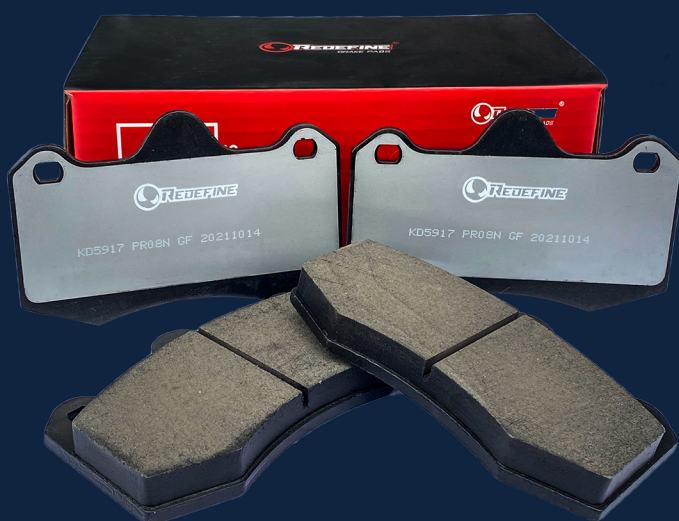
REDEFINE emphasizes investment in R&D and has a professional friction materials R&D team lead by top domestic and international technical experts, industry-leading friction materials testing and R&D equipment, and an industry-recognized and growing friction materials technology center.

REDEFINE advocates synchronization of basic materials research, automotive brake application research and testing and standards research, and emphasizes accumulation.

**LINEAR
FOOTING**

**LESS
DUST**

**LOW
ABNORMAL
NOISE**



Developed for street braking, with the ability to meet the street braking performance while maintaining the comfort of braking



HIGH PERFORMANCE BRAKE LINES

REDEFINE originated from domestic modification competition brand, focusing on development and production of stainless steel brake lines, mainly OEM before 2019, the products are exported to Europe and America, with advanced equipment for research and development, testing and production, such as CNC lathe, pressure testing equipment, fatigue testing equipment.

Each set of products undergoes strict pressure test, seizure test, tensile test, bending test, etc. The quality is stable and higher than the certification standard, which is welcomed by the modification manufacturers.

The products are verified by China Automotive Testing Center and conform to American standards and Chinese standards.

Reduce stopping distance

Improve driving experience

Eliminate brake pedal sponginess

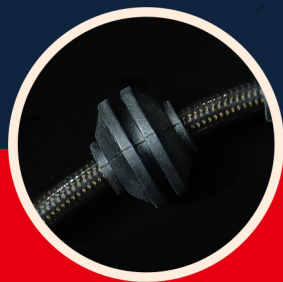
Leak-proof Guarantee



LARGE NUT FIXING

Stable installation

Strong sealing



FIXED RUBBER RING

Non-destructive installation

Prevent friction with the body

Extend using time



CARBON STEEL FITTINGS

Corrosion resistant No rusting



RUBBER BUFFER PROTECTOR

Effectively prevent damage

Waterproof and dustproof

Stable and durable

Available in multiple colors
Support customization



1st layer:Ptfe

High Temperature Tolerance
Strong corrosion resistance
Compatible with all brake fluids

2nd layer:Kevlar

High strength,High Temperature Tolerance,Anti-burst

3rd layer:PVC

Flame retardant,Anti-static

4th layer:Stainless steel

Guarantee flexibility,Anti-expansion ability

It provides consistent braking performance without spongy feelings when in long time high temperature and working pressure

5th layer:EVA

Flexibility,Corrosion resistance
Good cushioning



Customized 5 layers stainless steel brake lines

Every REDEFINE stainless steel brake line is individually 100% pressure tested and guaranteed no leaks

1st layer:Ptfe

High Temperature Tolerance
Strong corrosion resistance
Compatible with all brake fluids

2nd layer:Stainless steel

Guarantee flexibility,Anti-expansion ability

It provides consistent braking performance without spongy feelings when in long time high temperature and working pressure

3rd layer:PVC

Strong corrosion resistance
to increase using life



Customized 3 layers stainless steel brake lines



		YEAR	FRONT	REAR	wheel hub
TOYOTA					
Prado	J120	2003-2010	JC610A	JC411A	17' -
	J150	2010-2020	JC610A	JC411A	17' -
Fj Cruiser	J120	2007-2010	JC610A	JC411A	17' -
	J150	2010-	JC610A	JC411A	17' -
LEXUS					
GX	J120	2003-2009	JC610A	JC411A	17' -
	J150	2010-2017	JC610A	JC411A	17' -
FORD					
Everest	U375	2015-	JC610A	/	17' -
Raptor F150	12th gen	2010-2014	JC610A	/	17' -
	13th gen	2015-2020	JC610A	/	17' -
	14th gen	2021-	JC610A	/	17' -
Hyundai					
SantaFe	DM	2012-2018	JC610A	/	17' -
	TM	2019-	JC610A	/	17' -
GWM					
Poer series		2019-	JC610A	/	17' -
WEY					
Tank300		2020-	JC610A	/	17' -
Tank500		2022-	JC610A	/	17' -
JEEP					
Wrangler	JK	2007-2017	JC610A	JC411A	17' -
	JL	2018-	JC610A	JC411A	17' -
Gladiator	JT	2020-	JC610A		
ChangAn					
LanTuo		2022-	JC610A	/	17' -

★ Brake kits are fitting for TOYOTA,LEXUS,FORD,ChangAn,GWM,WEY,JEEP.If you need to customize other models vehicles' Brake kits ,please contact manufacturer.



AUDI				
		YEAR	FRONT	REAR
A1	8X1/8XA	2012-2014	FCQ015	RCC001
A1	8XF	2016-2018	FCQ015	RCC001
A3	8VA/8VS/8V7	2014-2016	FCQ017	RCQ005
A3	8VE	2017-	FCQ017	RCQ005
A4	8E2	2000-2004	FCC006	RCQ005
A4	8H7	2002-2005	FCC006	RCQ005
A6	4GJ/4GD	2016-	FCS019	RCS011
A7	4GA/4GF	2012-2018	FCS019	RCS011
A7	4KA	2018-	FCS019	RCQ007
A8L	4E8	2003-2010	FCC008	RCCS0203
A8L	4H8	2011-2013	FCS013	RCS006
A8L	4HL	2015-2017	FCS013	RCS006
Q3	8U	2010-2014	FCQ015	RCQ005
Q5	8RB	2010-2014	FCS013	RCS010
Q7	4LB	2007-2015	FCC013	RCC010
Q7	4MB	2016-	FCS019	RCQ005
RS3	8VM	2017-2018	FCQ019	RCQ005
RS7	4GA/4GF	2014-2017	FCS020	RCS011
S4	8W2	2018-	FCS016	RCQ007
S4	8WC	2020-	FCS016	RCQ007
S5	8T3/8TA/8F7	2008-2016	FCS013	RCS010
S5	F5A	2017-	FCS019	RCQ007
S7	4GA/4GF	2013-	FCS019	RCS011
S8	4H2/4HC	2013-2017	FCS014	RCS005
SQ5	8RB	2013-2017	FCS013	RCS010
TT S	8J3/8J9	2009-2014	FCC016	RCC005

BenZ				
		YEAR	FRONT	REAR
A-Class	W176	2012-	FCS012	RCS010
B-Class	W245	2005-2011	FCS011	RCS004
	W246	2011-	FCS012	RCS008



C-Class	W204	2007-2014	FCS010	RCS007
	W205	2013-	FCS010	RCQB009
	C205	2015-	FCS015	RCS009
	CL203	2001-2011	FCS008	RCS005
CLA	C117	2013-	FCS013	RCS010
CLK	A209	2003-2010	FCS009	RCS005
CLK	C209	2002-2010	FCS009	RCS005
CLS	X218	2012-	FCS010	RCS008
CLS 63 AMG	C218	2010-	FCS012	RCS008
CLS	C219	2004-2011	FCS009	RCS004
E-Class	W211	2002-2009	FCS009	RCS007
	W212	2009-	FCS010	RCS008
	W213	2016-	FCS010	RCQB009
	A207	2010-	FCS010	RCS005
	C207	2009-	FCS009	RCS006
GL	X166	2012-	FCS018	RCS012
GLA	X156	2013-	FCS013	RCS010
GLK	X204	2008-	FCS013	RCS006
M-Class	W164	2005-2012	FCS014	RCS017
	W166	2011-2015	FCS018	RCS012
S-Class	W220	1998-2005	FCS009	RCS006
	W221	2005-2013	FCS010	RCS007
	W222	2013-	FCS010	RCS007
Viano	W639	2003-	FCS014	RCS007

BMW				
		YEAR	FRONT	REAR
1 series	F20/21	2010-	FCS016	RCS004
	E81/82/87/88	2006-2013	FCS013	RCCS0204
2 series	F45	2016-	FCS011	RCS012
	F46	2014-	FCS011	RCS012
	F22	2012-	FCS016	RCS004
	F23	2014-	FCS016	RCS004
M2	F87	2012-	FCS016	RCS005



3 series	E46	1998–2005	FCS012	RCS010
	E90/92/93	2004–2012	FCS013	RCCS0204
	F30/35	2011–	FCS016	RCS004
	F31	2011–	FCS016	RCS004
3 series GT	F34	2012–	FCS016	RCS004
M3	F80	2011–	FCS016	RCS005
M4	F82/83	2013–	FCS016	RCS005
4 series	F32/33	2013–	FCS016	RCS004
4 series GC	F36	2014–	FCS016	RCS004
5 series GT	F07	2009–2017	FCS020	RCS006
5 series	E60	2001–2010	FCS015	RCS006
	F10	2009–2016	FCS020	RCS006
	F11	2009–	FCS020	RCS006
M6	E63	2006	FCS015	RCS006
6 series GC	F06	2011–	FCS020	RCS006
M6	F06	2013–	FCS020	RCQ006
6 series	E63/64	2004–2010	FCS015	RCS006
	F12	2011–	FCS020	RCS006
	F13	2010–	FCS020	RCS006
X4	F26	2013–2018	FCS020	RCS005
X5 M	F85	2012–2018	FCS017	RCS014
X6 M	F86	2014–	FCS017	RCCS0411
X6	F16	2014–	FCS017	RCCS0411

MAZDA				
		YEAR	FRONT	REAR
ATENZA	GJ	2013–2013	FVQ011	RVQ007
CX-5	KE	2012–2013	FVQ011	RVQ009
MX-5	NC	2009–2012	FVQ015	RVQ007
Mazda 3	BK	2008–2009	FCS010	RCS009
Mazda 3	BL	2009–2011	FCS010	RCS009



Hyundai

		YEAR	FRONT	REAR
ENCINO	/	2018-	FCQ014	RCQ007
Elantra	/	2004-2016	FCQ012	RCQ012
MISTRA	CF	2013-2019	FCQ017	RCQ007
Celesta	HD	2016-2019	FCQ013	RCQ007
Elantra	MD	2012-2017	FCQ013	RCQ008
Tucson	TL	2006-2015	FCQ013	RCQ009
Elantra	/	2016-	FCQ014	RCQ008
EQUUS	LZ	2005-2008	FCQ012	RCQ014

MINI

		YEAR	FRONT	REAR
MINI	F55/56/57	/	FCS009	RCS012
CLUBMAN	F54	/	FCS011	RCS012
CLUBMAN	R55	/	FCS013	RCS009
COUPE	R58	/	FCS013	RCS009
COUNTRYMAN	R60	/	FCS014	RCS008

SUBARU

		YEAR	FRONT	REAR
BRZ	ZC	2013-	FVQ012	RVQ012
XV	GP	2011-2017	FVQ015	RVQ011
Outback	BR	2009-2014	FVQ015	RVQ015
Outback	BS	2014-	FVQ014	RVQ011
Outback	BP	2004-2009	FVQ014	RVVQ0304
Legacy	BM	2009-2014	FVQ014	RVQ013
Legacy	BN	2015-	FVQ014	RVQ010
Legacy	BP	2004-2009	FVQ014	RVVQ0304
Forester	SG	2003-2007	FVQ014	RVQ014
Forester	SH	2008-2012	FVQ014	RVQ012
Forester	SJ	2012-2018	FVQ014	RVQ012
Impreza	GD	2003-2007	FVQ012	RVQ012



Impreza	GE	2008-2009	FVQ012	RVQ012
Impreza	GV	2010-2014	FVQ012	RVQ012
Impreza	GG	2004-2005	FVQ012	RVQ012
Impreza	GH	2007-2011	FVQ012	RVQ012
Impreza	GR	2008-2009	FVQ012	RVQ012

Mitsubishi

		YEAR	FRONT	REAR
Pajero	V8, 9#	2007-2016	FCQ019	RCQ014
Pajero	V73W	2001-2004	FCQ019	RCQ014
Outlander	CW_W	2006-2012	FCQ016	RCCQ0804
GT3000	/	/	FCCS0603	RCS012

INFINITI

		YEAR	FRONT	REAR
Q50	V37	2014-2017	FVV006/FVQ014	RVQ007
Q60	CV37	2017-	FVV006/FVQ014	RVQ007
FX	S50	2007-2008	FVQ018	RVQ006
QX80/QX56	Z62	2011-	FVQ016	RVQ011

VW

		YEAR	FRONT	REAR
Magotan	B6	2010-2016	FCQ017	RCC003
Tiguan	5N1	2009-2011	FCQ015	RCQ005
Touareg	7P	2010-2018	FCS020	RCC010
Touareg	CR7 (MLB)	/	FCQ019	RCQ006
GOLF 6 R20/R32	A5 (1K)	2008-2013	FCC013	RCC004
GOLF 6 R	A5 (1K)	2008-2013	FCC013	RCC004
GOLF6	A5 (1K)	2008-2013	FCQ015	RCC004
GOLF GTI 6	A5 (1K)	2008-2013	FCQ015	RCC004
GOLF 7	MQB (5G)	2013-	FCQ017	RCQ005
Sagitar	A51K/A7	2006-2019	FCQ017	RCC005
Sagitar	BK2	2012-2019	FCQ016	RCC005



PASSAT	B5	2001-2009	FCC006	RCC002
PASSAT	B7	2011-2019	FCQ015	RCQ005
TIGUAN	591	2010-2013	FCQ015	RCQ005
TIGUAN	592	2013-2016	FCQ015	RCQ005
TIGUAN L	0T1	2016-	FCQ017	RCQ005
Scirocco R	A5	2008-2019	FCQ015	RCC004
POLO	9J1/9J2/9J3/9J4/9J6 (A04 (9N))		FCQ013	RCC001
Multivan	T6	2015-	FCS014	RCCS0408
Touran L	0R1 (MQB)	2016-	FCQ017	RCQ005
Variant	3G	/	FCQ017	RCQ005

SKODA				
		YEAR	FRONT	REAR
Octavia	/	2015	FCQ017	RCQ005
Octavia	1Z3	2007-2016	FCQ015	RCC004
Octavia RS	913	2010-2013	FCQ015	RCC004
Octavia	NM2	2017-2018	FCQ017	RCQ005
Octavia	NM3	2014-2017	FCQ017	RCQ005
Octavia	NM4	2017-	FCQ017	RCQ005
Octavia	NM5	2017-	FCQ016	RCQ005
RAPID	NG2	2013-2017	FCQ015	RCC001
RAPID	NG4	2017-2019	FCQ015	RCC001
RAPID	NG5	2020-	FCQ015	RCC001
KODIAQ	0Z7	2016-	FCQ017	RCQ005
SUPERB	NT3	2015-	FCQ017	RCQ005

TOYOTA				
		YEAR	FRONT	REAR
86	ZN6	2013-2019	FVQ012	RVQ4-012
Fj-CRUISER	J150	2007-	LC150 F	LC150 R
SUPRA	DB	2019-	FCS017	RCS008
LAND CRUISER	J90	2000-2002	FVV005	RVQ5-005
LAND CRUISER	J100	2001-2007	FVQ4-010	RVQ5-005
LAND CRUISER	J200	2007-	LC200 F	LC200 R



PRADO	J120/150	/	LC150 F	LC150 R
Tundra	/	2009–	FVV007	RVVQ0707
ALPHARD	20/30	2015–	FVQ019	RVVQ5–0404
Vellfire	/	2018	FVQ019	RVQ5–019
Fortuner	AN150/AN160	2015–	FVV005	RVV007
Corolla	ZRE15	2007–2014	FVQ018	RVQ002
Corolla	ZRE18	2007–2019	FVQ018	RVQ002
Crown	GRS18	2005–2010	FVQ009	RVQ009
Crown	GRS20/UZS20	2009–2015	FVQ009	RVQ009
Crown	ARS21/GRS21	2015–2017	FVQ009	RVQ009
REIZ	RGX12	2005–2010	FVQ009	RVQ009
REIZ	RGX13	2010. 9–2017	FVQ009	RVQ009
Highlander	SU4	2009–2014	FVQ012	RVQ012
Highlander	SU5	2014–2019	FVQ016	RVQ014
Camry	V4	2006–2015	FVQ011	RVQ015
Camry	V5	2011–2017	FVQ011	RVQ015
Camry	V7	2018–	FVQ010	RVQ012
Camry	V7	2018–	FVQ010	RVQ013
VORSO	ZGR2	2011–2016	FVQ019	RVVQ0102
Yaris	P90	2008–2013	FVQ012	RVV001
RAV4	06ver 08yr	2006–2008	FVQ019	RVQ005
RAV4	ACA3	2009–2014	FVQ019	RVQ005
RAV4	SA4	2013–2019	FVQ019	RVQ006
RAV4	XA50	2019–	FVQ011	RVQ014
SEQUOIA	II	2008–	FVV007	RVQ019
SIENNA	XL20	2004–2010	FVQ013	RVVS0403
COROLLA	E120	2003–2015	FVQ014	RVQ002
VENZA	AV10	2013–2014	FVQ011	RVQ012
Voxy 80	/	/	FVQ017	RVVS04Y02

HONDA				
		YEAR	FRONT	REAR
Stream	RN3	2001–2005	FCQ014	RCQ011
CIVIC	FA/FD	2006–2011	FCQ014	RCQ012



CIVIC	FB	2011-2016	FCQ014	RCQ012
CIVIC	FC1	2016-	FCQ015	RCQ015
CIVIC	FK	2020-	FCQ015	RCQ015
CIVIC	FE1	2021-	FCQ015	RCQ015
ODYSSEY	RB1	2005-2008	FCQ012	RCQ012
ODYSSEY	RB3	2009-2013	FCQ012	RCQ012
ODYSSEY	RC	2014-	FCQ014	RCCQ0207
Accord	CF/CG	1999-2002	FCQ010	RCQ009
Accord	CM	2003-2007	FCQ011	RCQ012
Accord	CP	2008-2013	FCQ012	RCQ011
Accord	CR	2013-2018	FCQ014	RCQ012
Accord	CV	2018-	FCQ015	RCQ014
FIT	GD	2004-2007	FCQ014	/
FIT	GE	2008-2013	FCQ012	RCCQ0404
FIT	GK5	2013-2020	FCQ014	RCC004
FIT	GR9	2020-	FCQ014	RCC004
VEZEL	RU	2015-	FCQ014	RCQ014
CRV	RD	2004-2006	FCQ014	RCQ009
CRV	RE	2007-2011	FCQ011	RCQ010
CRV	RM	2012-2016	FCQ012	RCQ010
CRV	RW/RT	2017-2020	FCQ013	RCQ015

Acura				
		YEAR	FRONT	REAR
CDX	RH	2016-	FCQ015	RCQ002
RDX	TC2	2018-	FCQ019	RCQ010
MDX	YD2	2007-2012	FCQ012	RCCQ0404
TLX	UB1	2015-2016	FCQ012	RCQ011

Cadillac				
		YEAR	FRONT	REAR
ATS	CA1	2014-2014	FVQ012	RVQ006
CTS	CD3	/	FVQ012	RVQ007



SRX	CN1	2010-2016	FVQ3-011	RVQ3-015
CT4	SD1	2020-	FVQ012	RVQ011
CT5	SD2	2020-	FVQ015	RVQ010
CT6	CK1	2016-	FVQ009	RVQ008
XT4	EG8	2018-	FVQ012	RVQ008
XT5	SN1	2017-	FVQ013	RVQ010
XT6	SN2	2020-	FVQ012	RVQ009

BUICK				
		YEAR	FRONT	REAR
Excelle	CJ1 (SGM612)	2004-2016	FVQ010	RVQ009
Regal	EG1 (SGM E10)	2009-2017	FVQ010	RVQ007
Regal	EG7	2017-	FVQ012	RVQ009
Larcosse	CW2 (SGM18)	2006-2009	FCQ010	RCQ006
Larcosse	EG2 (SGM E11)	2010-2016	FVQ012	RVQ009
Larcosse	EG6	2017-	FVQ010	RVQ008
Envision	CP4	2015-	FVQ013	RVQ007
Encore	SJ2	2013-2018	FVQ011	RVQ011
ENCLAVE	SN3	2019-	FVQ012	RVQ009
VERANO	CP5/CP6	2016-2019	FVQ007	RVQ010
Excelle	CP2	2010-2015	FVQ009	RVQ017
Excelle	SK1	2015-	FVQ014	RVQ006

Porsche				
		YEAR	FRONT	REAR
911	991	2012-2019	FCC006	RCC006
911	992	2019-	FCC006	RCC006
Cayman	981	2014-2016	FCC007	RCC007
Cayman	982	2016-	FCC007	RCC007
Cayman	987	2006-2012	FCC007	RCC007
Boxster	987	2005-2012	FCC007	RCC007
Boxster	981	2013-2016	FCC007	RCC007
Boxster	982	2016-	FCC007	RCC007



Panamera	970	2010-2016	FCS010	RCC006
Panamera	971	2016-2018	FCS020	RCC008
Cayenne	9PA	2003-2010	FCS020	RCC010
Cayenne	92A	2011-2017	FCS020	RCC010
MACAN	95B	2015-	FCS013	RCS010

NISSAN				
		YEAR	FRONT	REAR
GT-R	R35	2007-2019	FVQ020	RVQ007
QUEST	E52	2013-2017	FVQ014	RVQ005
Patrol	Y61	2004-2008	FVQ006	RVQ003
SYLPHY	G11Z	2006-	FVQ015	RVVQ0503
SYLPHY	B17Z	2012-	FVQ015	RVVQ0503
SYLPHY	B18Z	2019-	FVQ015	RVVQ0503
Alitima	J31Z	2004-2008	FVQ013	RVQ004
Alitima	J32Z	2008-2012	FVQ012	RVQ004
Alitima	L33Z	2013-2018	FVQ013	RVQ005
Alitima	L34Z	2018-	FVQ012	RVQ015
TIIDA	C11Z	2005-2011	FVQ015	RVVQ0502
TIIDA	C12Z	2011-2015	FVQ015	RVVQ0502
TIIDA	C13Z	2016-	FVQ015	RVVQ0502
LANNIA	G10	2000-2006	FVQ013	RVQ012
LANNIA	U15Z	2015-	FVQ016	RVVQ0503
SUNNY	N17Z	2010-	FVQ014	RVVQ0501
Murano	Z52Z	2015-2019	FVQ013	RVQ006
NV200	M20F	2010-2019	FVQ014	RVV011
TIIDA	C11Z	2005-2012	FVQ015	RVV005
Terra	/	2018-	FVQ009	RVV009
March	K13Z	2010-2019	FVQ014	RVV005
NAVARA	/	/	FVQ009	RVV011
X-Trail	T32Z	2014-2019	FVQ018	RVVQ0204
CEFIRO	A31/32/33	1990-2020	FVQ014	RVQ015



Chevrolet

		YEAR	FRONT	REAR
Captiva	S7L	2008-2011	FVQ011	RVQ011
Camaro	C1E	2011-2015	FVQ014	RVQ015
Malibu	EG5	2016-	FVQ011	RVQ008
Equinox	CP8 (GM D2XX)	2017-	FVQ015	RVQ008
TRAX	SJ3	2015-2019	FVQ011	RVQ012

Land Rover

		YEAR	FRONT	REAR
Discovery 3/4	L319	2005-2016	L300 F	RCCQ0707
Discovery Sport	L550	2015-2017	FCQ011	RCQ011
Range Rover	L322	2002-2012	FCQ011	RCQ016
Range Rover Sport	L320	2005-2013	L300 F	RCCQ0707
Range Rover Sport	L494/L405/L462	2014-	FCQ017	RCQ024
Discovery 5			L400 F	L400 R
Defender	L663	2020-	L600 F	L400 R
Range Rover Evoque	L538	2014-2019	FCS011	RCQ014
Range Rover Evoque	L551	2019-	FCQ014	RCQ010
Range Rover Velar	L560	2017-	FCQ013	RCQ008
FREELANDER 2	L359	2007-2015	FCS010	RCQ015

Jaguar

		YEAR	FRONT	REAR
F-PACE	X761	2017-	FCQ013	RCQ008

KIA

		YEAR	FRONT	REAR
K5	TF	2013-2015	FCQ015	RCQ005
CARENS	RP	2013-2015	FCQ008	RCQ007
CARNIVAL	YP	2015-2017	FCQ017	RCQ007



Souranto	XM	2009-2014	FCQ009	RCQ012
Borrego	HM	2008-	FCQ013	RCQ005

JEEP

		YEAR	FRONT	REAR
Grand Cherokee	WK	2011-2018	FVS010	RVQ008
GRAND COMMANDER	/	2018-	FCS011	RCC011
Renegade	BU	2016-	FCS010	RCS008
Wrangler	JK	2007-2017	JK F	JK R
Wrangler	JL	2018-	JL F	JL R

LINCOLN

		YEAR	FRONT	REAR
CONTINENTAL	10th gen	2016-	FVQ012	RVQ012
Navigator	U554/4th gen	2018-	FVQa-011	RVQa-013
MKX	2nd gen	2014-	FVQ012	RVQ012
MKZ	2nd gen	2014-	FVQ011	RVQ012
MKC	2nd gen	2014-2019	FCS012	RVQ014

LEXUS

		YEAR	FRONT	REAR
CT	A10	2012-	FVQ022	RVQ008
ES	XV40	2006-2012	FVQ010	RVQ014
ES	XV60	2012-2018	FVQ010	RVQ014
GS	S190	2005-2011	FVQ008	RVQ008
GS	L10	2012-	FVQ008	RVQ008
GX	J150 12- / J120 03-09		FVV005	RVVQ0605
IS	XE20	2006-2012	FVQ008	RVQ008
IS	XE30	2013-	FVQ007	RVQ007
LS	XF40	2006-2016	FVQ011	RVQ009
LX470	J100	1998-2007	FVQ010	RVVQ08Y05
LX570	J200	2007-2011	FVQ010	RVVQ0707



NX	Z10	2014-	FVQ020	RVQ006
RX	AL10	2009-2015	FVQ012	RVQ014
RX	AL20	2016-	FVQ012	RVQ014

FORD				
		YEAR	FRONT	REAR
RaptorF550	/	/	F550 F	F550 R
Mustang	CZG	2014-	FVQa010	RVQa013
FIESTA	CCY (C195)	2002-2006	FCS009	RCS005
FIESTA	B6 (B299)	2008-2013	FCQ009	RCC004
FIESTA ST180 MK6	B299 08-13/C195 03-08		FCS011	RCS010
FOCUS ST	CB8	2012-2014	FCQB011	RCS010
FOCUS RS	CEW	2015-2018	FCQB011	RCS010
FOCUS	A7 (C307)	2006-2016	FCS011	RCS010
FOCUS	D2 (C307)	2012-2015	FCS011	RCS010
ESCORT	FD (C490)	2014-	FCS011	RCCS0601
ECOSPORT	B515	2013-2017	FCS011	RCC004
Maverick	C520	2012-	FCS011	RCS012
MONDEO	GT/CD132	2004-2007	FCS011	RCS005
MONDEO CHIA-X	A8 (CD345)	2007-2016	FCS010	RCS002
MONDEO	NH (CD391)	2013-	FVQ011	RVQ011
TAURUS	D568	2015-	FCQ009	RCQ010
EDGE	CD539	2014-	FVQ012	RVQ011
ESCAPE	/	2020-	FVQa012	RVQa009
EVEREST	U375	2015-	FVQ017	RVQ005
EXPLORER	U502		FVQ007	RVS010

Maserati				
		YEAR	FRONT	REAR
LEVANTE	M161	2016-	FCQ022	RCCS0604
Quattroporte	M156	2014-	FCC009	RCC005



VOLVO				
		YEAR	FRONT	REAR
S80	1st gen	2001-2006	FCS008	RCS007
V40 CROSS Country	/	2014-	FCS010	RCS009
V60	/	2012-	FCS010	RCQ007
V60 Cross Country	/	2016-2018	FCS010	RCQ009
XC90	P2	2004-2014	FCS008	RCS004

HAVAL				
		YEAR	FRONT	REAR
H2	/	2014-	FVQ011	RVQ015
H3	/	2005-2012	FVQ011	RVVQ0702
H5	/	2010-2017	FVQ010	RVVQ0902
H6	/	2011-2017	FVQ011	RVQ016
H6 Sport	/	2016-	FVQ011	RVQ016
H6	/	2017-	FVQ011	RVQ016
H6 Coupe	/	2015-	FVQ011	RVQ016
H7/H7L	/	2016-2019	FVQ013	RVQ007
H9	/	2014-	FVQ010	RVVQ0705
M6	/	2017-	FVQ011	RVQ016

WEY				
		YEAR	FRONT	REAR
Tank 300/500	/	/	TANK F	RCCQ0603

★The stainless steel brake lines above are belong to some brands vehicles,Please must check if stainless steel brake lines matches your vehicle according to the chassis code.if you need to customize other models vehicles' stainless steel brake lines,please contact manufacturer.



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