

NGK Price List

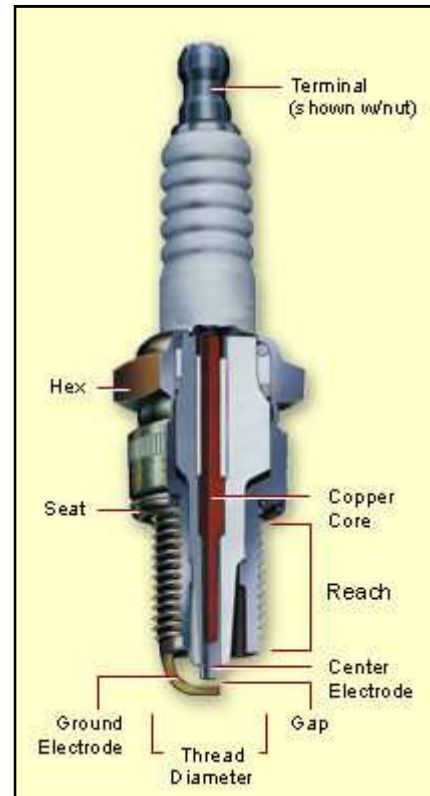
This is all spark plugs we offer but only the green marked articles are in stock.

All other articles are only sold against order in complete packs of 2, 4, or 10 pcs.

Delivery time: Normally within 1 week

All Euro prices are excluding VAT and may change depending on currency rates.

SEK Prices are including Swedish VAT (25%)



Not all spark plugs are created equal

Some spark plugs can improve performance, while others offer long life. Some can make your lawnmower easier to start, while others resist fouling. For most of the applications, whether its for a motorcycle, car, boat, lawnmower or generator, you will find the prices for a plug as low as €2 or as high as €30.

So why spend €30 for a spark plug when a €2 plug will screw in and start your car? Well, to be honest, if you are just tuning up your car to pass smog so you can sell it, it isn't cost effective to purchase the highest quality double platinum plug. But if you are planning on keeping that car or the outboard motor your tuning up, the plug you choose can improve ease of starting, acceleration, fuel economy, as well as how soon you have to change them again. In short, there are horsepower and mileage improvements available from different spark plugs.

Do you need more information?

Application list for more motorcycle brands and models, please visit www.NGK.se or www.NGK.com.

Please see **page 2 and 3** for fast information about spark plug models. See **page 11 and 12** for information about how spark plugs work.

NGK

V-POWER®



High Performance

- 90 degree V-Power centre electrode
- Economical performance & improved ignitability
- Superior anti-corrosion properties

G-POWER®



Superior Performance

- Fine Platinum tip ensures long life
- improved fuel efficiency
- Lower emissions and improved anti fouling

LASER IRIDIUM®



OEM Style

- Laser welded Iridium tip ensures precise gap over plug life
- Superior anti-fouling characterises
- Best OEM Iridium spark plug available
- OEM approved

IRIDIUM IX®



Ultimate Performance

- Fine Iridium tip ensures high durability
- Built for today's high performance engines
- Ultimate design, technology and performance

LASER PLATINUM®



OEM Style

- Laser welded Platinum tip ensures precise gap over plug life
- Superior anti-fouling characterises
- OEM approved design

NGK COMMERCIAL™ Series



Economical Design

- Designed for small engine applications
- Easy starting
- Superior anti fouling and longer life

Pro-V®



Performance & Value

- Exclusive Pro-V design
- Designed for small engine applications
- Faster starts
- Less fouling & misfiring



Racing Spark Plugs



Most technologically advanced spark plugs on the market. NGK Racing Spark Plugs are designed for professional racers with extremely modified engines.

Standard



OEM Quality

- Triple-Gasket Sealing Process
- Consistent Performance
- Plug of Choice in Millions of Vehicles

Glow Plugs



Highly durable NGK glow plugs are superior for heavy-duty diesel applications providing quicker starts and lower emissions

NGK

Art. Number	Article	EUR	SEK
PFR 6H 10	Car - Platina	15,76	197,00
B 5HS	Car - Standard	3,44	43,00
BCPR 6ES	Car - Standard	4,32	54,00
BCPR 7ES	Car - Standard	4,32	54,00
BKR 5EK	Car - Standard	8,16	102,00
BKR 6E 11	Car - Standard	4,96	62,00
BKR 6EK	Car - Standard	7,36	92,00
BKR 7E 11	Car - Standard	4,32	54,00
BKUR 6ET	Car - Standard	8,08	101,00
BP 5ES	Car - Standard	3,36	42,00
BP 5HS	Car - Standard	3,44	43,00
BP 6EFS	Car - Standard	3,36	42,00
BP 6ES	Car - Standard	3,36	42,00
BP 6HS	Car - Standard	3,36	42,00
BPR 5ES	Car - Standard	4,32	54,00
BPR 6ES	Car - Standard	4,32	54,00
BPR 7ES	Car - Standard	4,32	54,00
BUR 6ET	Car - Standard	7,52	94,00
KR 8AI	Marine - Iridium	22,00	275,00
BR 5HS	Marine - Standard	4,64	58,00
BR 9HS 10	Marine - Standard	4,40	55,00
DCPR 6E	Marine - Standard	10,24	128,00
DPR 6EA 9	Marine - Standard	4,64	58,00
DR 7EA	Marine - Standard	4,64	58,00
CR 8EIA 10	Motorcycle/Moped - Iridium	12,32	154,00
CR 8EIB 10	Motorcycle/Moped - Iridium	13,36	167,00
FR 9BI 11	Motorcycle/Moped - Iridium	25,12	314,00
IFR 8H 11	Motorcycle/Moped - Iridium	28,40	355,00
IFR 9H 11	Motorcycle/Moped - Iridium	28,40	355,00
IMR 8C 9H	Motorcycle/Moped - Iridium	26,00	325,00
IMR 9C 9H	Motorcycle/Moped - Iridium	26,00	325,00
LKAR 8A 9	Motorcycle/Moped - Standard	17,52	219,00
LKAR 8AI 9	Motorcycle/Moped - Iridium	18,96	237,00
BR 10EIX	Motorcycle/Moped - Iridium IX	20,32	254,00
BR 7HIX	Motorcycle/Moped - Iridium IX	20,32	254,00
BR 8EIX	Motorcycle/Moped - Iridium IX	20,32	254,00
BR 8HIX	Motorcycle/Moped - Iridium IX	20,32	254,00
BR 9EIX	Motorcycle/Moped - Iridium IX	20,32	254,00
CR 6HIX	Motorcycle/Moped - Iridium IX	20,32	254,00
CR 7HIX	Motorcycle/Moped - Iridium IX	20,32	254,00
CR 8EIX	Motorcycle/Moped - Iridium IX	20,32	254,00
CR 9EIX	Motorcycle/Moped - Iridium IX	20,32	254,00
DR 8EIX	Motorcycle/Moped - Iridium IX	20,32	254,00
DR 9EIX	Motorcycle/Moped - Iridium IX	20,32	254,00
B 10EVX	Motorcycle/Moped - Platina	11,52	144,00

NGK

Art. Number	Article	EUR	SEK
B 6EVX	Motorcycle/Moped - Platina	11,20	140,00
B 7EVX	Motorcycle/Moped - Platina	11,52	144,00
B 8EVX	Motorcycle/Moped - Platina	11,52	144,00
B 9EGP	Motorcycle/Moped - Platina	34,56	432,00
B 9EVX	Motorcycle/Moped - Platina	11,52	144,00
BR 10ECMVX	Motorcycle/Moped - Platina	16,56	207,00
BR 7EVX	Motorcycle/Moped - Platina	16,56	207,00
BR 8ECMVX	Motorcycle/Moped - Platina	16,56	207,00
BR 8EVX	Motorcycle/Moped - Platina	16,56	207,00
BR 9ECMVX	Motorcycle/Moped - Platina	16,56	207,00
BR 9EVX	Motorcycle/Moped - Platina	16,56	207,00
C 8EVX	Motorcycle/Moped - Platina	11,52	144,00
CR 8EVX	Motorcycle/Moped - Platina	16,56	207,00
CR 9EHVX 9	Motorcycle/Moped - Platina	16,56	207,00
CR 9EVX	Motorcycle/Moped - Platina	16,56	207,00
DCPR 8EVX	Motorcycle/Moped - Platina	16,08	201,00
DPR 8EV 9	Motorcycle/Moped - Platina	15,84	198,00
DPR 8EVX 9	Motorcycle/Moped - Platina	16,56	207,00
DPR 9EV 9	Motorcycle/Moped - Platina	15,84	198,00
DPR 9EVX 9	Motorcycle/Moped - Platina	16,56	207,00
B 10EG	Motorcycle/Moped - Standard	8,08	101,00
B 10EGV	Motorcycle/Moped - Standard	16,00	200,00
B 10ES	Motorcycle/Moped - Standard	3,68	46,00
B 6HS	Motorcycle/Moped - Standard	3,44	43,00
B 7ES	Motorcycle/Moped - Standard	3,44	43,00
B 8ECS	Motorcycle/Moped - Standard	8,16	102,00
B 8EG	Motorcycle/Moped - Standard	8,08	101,00
B 8EGV	Motorcycle/Moped - Standard	16,00	200,00
B 8HCS	Motorcycle/Moped - Standard	8,08	101,00
B 8HS	Motorcycle/Moped - Standard	3,44	43,00
B 9ECS	Motorcycle/Moped - Standard	8,16	102,00
B 9EG	Motorcycle/Moped - Standard	8,08	101,00
B 9EGV	Motorcycle/Moped - Standard	16,00	200,00
B 9HS	Motorcycle/Moped - Standard	3,44	43,00
BP 4HS	Motorcycle/Moped - Standard	3,68	46,00
BP 7ES	Motorcycle/Moped - Standard	3,44	43,00
BP 7HS	Motorcycle/Moped - Standard	3,44	43,00
BP 8ES	Motorcycle/Moped - Standard	3,44	43,00
BP 9ES	Motorcycle/Moped - Standard	4,40	55,00
BPR 7HS	Motorcycle/Moped - Standard	4,40	55,00
BPR 8ES	Motorcycle/Moped - Standard	4,40	55,00
BPR 8HS	Motorcycle/Moped - Standard	4,64	58,00
BPR 9ES	Motorcycle/Moped - Standard	4,40	55,00
BR 10ECM	Motorcycle/Moped - Standard	10,16	127,00
BR 10EG	Motorcycle/Moped - Standard	10,16	127,00
BR 10ES	Motorcycle/Moped - Standard	4,64	58,00
BR 6ES	Motorcycle/Moped - Standard	4,64	58,00
BR 6HS	Motorcycle/Moped - Standard	4,64	58,00
BR 6HSA	Motorcycle/Moped - Standard	4,64	58,00

NGK

Art. Number	Article	EUR	SEK
BR 7ES	Motorcycle/Moped - Standard	4,64	58,00
BR 7HS	Motorcycle/Moped - Standard	4,40	55,00
BR 8ECM	Motorcycle/Moped - Standard	10,16	127,00
BR 8EG	Motorcycle/Moped - Standard	10,16	127,00
BR 8HS	Motorcycle/Moped - Standard	4,40	55,00
BR 8HSA	Motorcycle/Moped - Standard	4,64	58,00
BR 9ECM	Motorcycle/Moped - Standard	10,16	127,00
BR 9EG	Motorcycle/Moped - Standard	10,16	127,00
BR 9HS	Motorcycle/Moped - Standard	4,64	58,00
C 6HSA	Motorcycle/Moped - Standard	3,68	46,00
C 7E	Motorcycle/Moped - Standard	8,08	101,00
C 7HSA	Motorcycle/Moped - Standard	3,68	46,00
C 8E	Motorcycle/Moped - Standard	8,08	101,00
C 9E	Motorcycle/Moped - Standard	8,08	101,00
CPR 8E	Motorcycle/Moped - Standard	10,16	127,00
CPR 8EB 9	Motorcycle/Moped - Standard	10,16	127,00
CR 10EK	Motorcycle/Moped - Standard	12,40	155,00
CR 6HS	Motorcycle/Moped - Standard	4,64	58,00
CR 6HSA	Motorcycle/Moped - Standard	4,64	58,00
CR 7E	Motorcycle/Moped - Standard	10,16	127,00
CR 7EH 9	Motorcycle/Moped - Standard	12,40	155,00
CR 7EK	Motorcycle/Moped - Standard	12,40	155,00
CR 7HS	Motorcycle/Moped - Standard	4,40	55,00
CR 7HSA	Motorcycle/Moped - Standard	4,64	58,00
CR 8E	Motorcycle/Moped - Standard	10,16	127,00
CR 8EB	Motorcycle/Moped - Standard	9,52	119,00
CR 8EH 9	Motorcycle/Moped - Standard	12,40	155,00
CR 8EK	Motorcycle/Moped - Standard	12,40	155,00
CR 8HS	Motorcycle/Moped - Standard	4,64	58,00
CR 8HSA	Motorcycle/Moped - Standard	4,64	58,00
CR 9E	Motorcycle/Moped - Standard	10,16	127,00
CR 9EB	Motorcycle/Moped - Standard	10,16	127,00
CR 9EH 9	Motorcycle/Moped - Standard	12,40	155,00
CR 9EK	Motorcycle/Moped - Standard	12,40	155,00
CR 9EKB	Motorcycle/Moped - Standard	12,40	155,00
D 5HS	Motorcycle/Moped - Standard	3,84	48,00
D 7EA	Motorcycle/Moped - Standard	3,68	46,00
D 8EA	Motorcycle/Moped - Standard	3,68	46,00
D 9EA	Motorcycle/Moped - Standard	3,68	46,00
DCPR 8E	Motorcycle/Moped - Standard	9,20	115,00
DCPR 9E	Motorcycle/Moped - Standard	7,92	99,00
DIMR8A10	Motorcycle/Moped - Iridium	30,64	383,00
DPR 7EA 9	Motorcycle/Moped - Standard	4,40	55,00
DPR 8EA 9	Motorcycle/Moped - Standard	4,40	55,00
DPR 8Z	Motorcycle/Moped - Standard	10,16	127,00
DPR 9EA 9	Motorcycle/Moped - Standard	4,40	55,00
DPR 9Z	Motorcycle/Moped - Standard	10,16	127,00
DR 6HS	Motorcycle/Moped - Standard	4,64	58,00
DR 7ES	Motorcycle/Moped - Standard	4,64	58,00
DR 8EA	Motorcycle/Moped - Standard	4,40	55,00

NGK

Art. Number	Article	EUR	SEK
DR 8ES	Motorcycle/Moped - Standard	4,40	55,00
DR 8ESL	Motorcycle/Moped - Standard	4,40	55,00
DR 9EA	Motorcycle/Moped - Standard	4,40	55,00
JR 9B	Motorcycle/Moped - Standard	8,08	101,00
JR 9C	Motorcycle/Moped - Standard	8,24	103,00
SILMAR9A9S	Motorcycle/Moped - Iridium	33,20	415,00
R 016-9	Racing plug	41,52	519,00
R 0409B 8	Racing plug	53,36	667,00
R 4118S 9	Racing plug	12,40	155,00
R 5686-9	Racing plug	41,52	519,00
R 6252E 105	Racing plug	7,52	94,00
R 6252K 105	Racing plug	7,52	94,00
R 6254E 105	Racing plug	7,52	94,00
R 6254E 9	Racing plug	7,52	94,00
R 6918B 8	Racing plug	47,84	598,00
B 8ES	Snow mobile - Standard	3,44	43,00
B 9ES	Snow mobile - Standard	3,44	43,00
BR 8ES	Snow mobile - Standard	4,40	55,00
BR 9ECS	Snow mobile - Standard	10,16	127,00
BR 9ES	Snow mobile - Standard	4,40	55,00
BR 9EYA	Snow mobile - Standard	12,64	158,00
B 4H	Garden	3,84	48,00
BM 6A	Garden	3,60	45,00
BM 7A	Garden	3,44	43,00
BP 4ES	Garden	3,84	48,00
BPM 7A	Garden	3,60	45,00
BPM 7Y	Garden	4,08	51,00
BPR 4HS	Garden	4,64	58,00
SB 05F	Spark plug cap - Straight	4,64	58,00
SD 05F	Spark plug cap - Straight	4,64	58,00
SD 05FM	Spark plug cap - Silicon	10,48	131,00
LB 05F	Spark plug cap - Angle	4,08	51,00
LD 05F	Spark plug cap - Angle	4,08	51,00
VB 05F	Spark plug cap - Angle	5,44	68,00
VD 05F	Spark plug cap - Angle	5,52	69,00
XB 05F	Spark plug cap - Angle	5,92	74,00
XD 05F	Spark plug cap - Angle	5,92	74,00
YB 05F	Spark plug cap - Angle	4,88	61,00
TB 05EM	Spark plug cap - Angle - Silicon	12,64	158,00

NGK

APRILIA

Model	Year	Standard	Racing
RXV 450E	06-	CR8EB	CR8EIX
SXV 450SX	06-	CR8EB	CR8EIX
RXV 450SM	06-	CR8EB	CR8EIX
RXV 550E	06-	CR8EB	CR8EIX
SXV 550SX	06-	CR8EB	CR8EIX
RXV 550SM	06-	CR8EB	CR8EIX

HONDA

Model	Year	Standard	Racing
Z 50R	89-99	CR6HSA	CR6HIX
QR 50	85-03	BPR4HS	---
CRF 50	04-	CR6HSA	CR6HIX
CR 80/85	86-	BR10EG	BR10EV
CR 125	82-97	BR9EG	BR9EV
CR 125	98-99	BR8EG	BR8EV
CR 125	00-07	BR9EG	BR9EV
CRF 150R	07-	CR8EH-9	---
CR 250	89-07	BR8EG	BR8EV
CRF 250R	04-08	IMR8C-9H	---
CRF 250R	09-	R0451B-8	---
CRF 250X	04-	IMR8C-9H	---
CR 500	84-01	BR8EG	BR8EVX
CRF 450	02-08	IFR8H11	---
CRF 450	09-	SILMAR9A9S	---
XR 50	00-03	CR6HSA	CR6HIX
XR 80	86-	CR7HSA	CR7HIX
XR 100	89-	CR7HSA	CR7HIX
XR 200	86-00	DR8ES-L	DR8EIX
XL/XR 250	78-83	DR8ES-L	DR8EIX
XR 250	84-95	DPR9Z	---
XR 250	96-	CR9EH-9	CR9EHVX-9
XR 400	96-01	DPR8Z	R2188-10
XR 400	02-	DPR9Z	R2188-10
XR 600	85-00	DPR8EA-9	DPR8EIX-9
XR650	00-	BKR7E-11	BKR7EVX-11

CANNONDALE

Model	Year	Standard	Racing
All	All	CR9EK	CR9EVX

BMW

Model	Year	Standard	Racing
G 450X	Alla	CR9EKB	---

HUSQVARNA

Model	Year	Standard	Racing
CR 50 JR	99-	BR7HS	BR7HIX
CR 50 SR	99-	BR7HS	BR7HIX
CR 125	93-97	B9EGV	BR9EIX
CR 125	98-	BR9EG	BR9EIX
WR 125	98-	BR9EG	BR9EIX
CR 250	95-01	B8EGV	BR9EIX
CR 250	02-	BR8EG	BR8EIX
WR 250	95-	B9EGV	BR9EIX
TC 250	02-	CR8EB	---
TE 250	02-	CR8EB	---
WR 360	98-01	B8EGV	BR8EGV
4-T 350	91-95	C7E	CR7EIX
4-T 410	96-01	C7E	CR7EIX
4-T 450	02-	CR8EB	---
4-T 510	86-	C7E	CR7EIX
4-T 570	02-03	CR7EB	---
4-T 610	91-	C7E	CR7EIX

GAS-GAS

Model	Year	Standard	Racing
MX 125	95-97	B10EGV	---
MX 125	98-00	BR10EGV	---
EC 125	01-	BR10EGV	---
EC 200	98-02	B8EGV	---
MX 250	98-99	BR8EG	BR8EIX
MX 250	00-	BR8EGV	BR8EIX
EC 250	00-	B8EGV	B8EIX
EC 300	98-	BR8EGV	BR8EIX
XC 300	98-	BR8EGV	BR8EIX
EC 400	02-05	CR8E	CR8EIX
EC 450	06-	CR8E	CR8EIX

NGK

KAWASAKI

Model	Year	Standard	Racing
KX 60	85-92	B9EG	B9EIX
KX 60	93-01	BR9EG	BR9EIX
KX 65	00-02	B10EG	B10EIX
KX 65	03-	BR10EG	BR10EIX
KX 80	80-91	B9EG	B9EIX
KX 80	92-00	R6252K-105	R6252E-105
KX 85	01-	R6252K-105	R6252E-105
KLX 110	02-03	C6HSA	C6HIX
KLX 110	04	CR6HSA	CR6HIX
KX 125	83-90	B10EV	B10EGV
KX 125	91-93	R6254K-105	---
KX 125	94-96	B9EVX	B9EIX
KX 125	97-03	BR9EIX	---
KX 125	04-05	R6918B-9	BR9EIX
KX 125	06-08	BR9ECMVX	BR9EIX
KDX 200	86-96	B9ES	B9EV
KDX 200	97-00	BR8ES	BR8EIX
KDX 220	97-00	BR8ES	BR8EIX
KX 250	74-91	B9EV	B9EIX
KX 250	92-93	R6252E-9	BR8EIX
KX 250	94-96	B8EVX	B8EIX
KX 250	97-	BR8EIX	---
KX 250F	04-	CR8EB	---
KDX 250	80-84	B9ES	B9EIX
KDX 250	91-94	B9ES	B9EIX
KLX 300	97-03	CR8E	CR8EVX
KLX 400S	2003	CR8E	CR8EIX
KLX 400R	2003	CR8E	CR8EIX
KX 450F	06-07	CPR8EB-9	---
KX 450F	08-	DIMR8A10	---
KLX 450R	08-	DIMR8A10	---
KX 500	83-84	B9EG	B9EIX
KX 500	85-97	B8EG	B8EIX
KX 500	98-03	BR8EG	BR8EIX

HUSABERG

Model	Year	Standard	Racing
All	89-99	C8E	CR8EIX
All	00-	DCPR8E	---

KTM

Model	Year	Standard	Racing
50 SX	96-99	B8HS	B8HV
50 SX	00-	BR8HS	BR8HIX
65 SX	98-00	R7234-10	---
65 SX	01-02	BR10EG	BR10EIX
65 SX	03-08	BR8ECM	---
65 SX	09-	LR8EB	---
85 SX	03-	BR10ECMVX	---
125 SX	91-94	B10EGV	B10EIX
125 SX	95-97	BR10EG	BR10EIX
125 SX	98-01	R6918B-8	---
125 SX	02-	BR9EVX	BR9EIX
125 EXC	93-97	BR10EG	BR10EIX
125 EXC	98-01	R6918B-8	---
200 SX	98-02	BR8EG	BR8EIX
200 EXC	98-02	BR8EG	BR8EIX
250 Alla	84-95	B9EG	B9EV
250 Alla	96	BR8EG	BR8EV
250 Alla	97-02	BR8ECM	---
250 Alla	03-	DCPR8E	KR8AI
300 EXC	90-95	B9EG	B9EIX
300 EXC	1996	BR8EG	BR8EIX
300 EXC	97-02	BR8ECM	---
360 Alla	96	BR8RG	BR8EV
360 Alla	97	BR8ECM	---
380 Alla	98-02	BR8ECM	---
400 Alla	94-99	D8EA	D8EVX
400 Alla	00-02	CR8EK	CR8EIX
400 Alla	03-	DCPR8E	KR8AI
450 SXF	03-06	DCPR8E	KR8AI
450 SXF	07-	CR9EKB	---
450 EXC	03-07	DCPR8E	KR8AI
450 EXC	08-	LKR8A-9	LKR8AI-9
450 EXC-R	07-	LKR8A-9	LKR8AI-9
450 EXC-R	07-	LKR8A-9	LKR8AI-9
505 SXF	08-	CR9EKB	---
520 Alla	00-02	CR8EK	CR8EIX
525 Alla	03-	DCPR8E	KR8AI
530 EXC-R	2008	LKR8A-9	LKR8AI-9
530 EXC	09-	LKR8AI-9	---
530 EXC-R	09-	LKR8AI-9	---
780 EXC	03-	LKR8A-9	LKR8AI-9

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SUZUKI

Model	Year	Standard	Racing
JR 50	79-93	BP4HS	---
JR 50	94-	BPR4HS	---
JR 80	01-	BR7ES	BR7EIX
RM 80	1977	B7ES	B7EIX
RM 80	78-83	B8ES	B8EIX
RM 80	84-85	B9ES	B9EIX
RM 80	86-96	B10ES	B10EIX
RM 80	97-01	BR10ES	BR10EIX
RM 85	02-	BR10ES	BR10EIX
RM 125	75-80	B9EV	B9EIX
RM 125	81-91	B8EGV	B8EIX
RM 125	92-95	R4118S-9	---
RM 125	96-	R6918B-8	---
RM 250	76-79	B9EV	B9EIX
RM 250	80-81	B9EGV	B9EIX
RM 250	82-91	B8EGV	B8EIX
RM 250	92-95	R4118S-8	---
RM 250	96-00	R6918B-7	---
RM 250	01-	BR8EG	BR8EVX
RMZ 250	04-06	CR8EB	---
RMZ 250	07-	CR8EIA-10	---
RMX 250	89-92	B8EGV	B8EIX
RMX 250	93-98	B9EGV	B9EIX
DR 350	94-99	CR9EK	CR9EVX
DRZ 400	00-	CR8E	CR8EVX
DRZ 400	00-	CR8E	CR8EVX
RMZ 450	05-06	CR8EIB10	---
RMZ 450	07-	DIMR8A10	---

LEM

Model	Year	Standard	Racing
50 LX2	97-	B7HS	B7HIX
50 LX3	97-	B7HS	B7HIX
50 LX4	97-	B9HS	B9HIX
50 CR3	97-	B7HS	B7HIX

YAMAHA

Model	Year	Standard	Racing
PW 50	81-	BP4HS	---
PW 80	83-	BP6HS	BP6HVX
YZ 80	1974	B7HS	BR7HIX
YZ 80	1975	B8HS	B8HIX
YZ 80	76-81	B8ES	B8EIX
YZ 80	82-83	B9ES	B9EIX
YZ 80	84-99	B10EG	B10EIX
YZ 80	00-01	BR10EG	BR10IX
YZ 85	02-	BR10EG	BR10EIX
TT-R90	00-	CR6HSA	CR6HIX
TT-R125	00-	CR7HSA	CR7HIX
YZ 125	74-76	B9EV	B9EIX
YZ 125	77-81	B10EV	B10EIX
YZ 125	82-91	B9EG	B9EIX
YZ 125	92-93	BR9EG	BR9EIX
YZ 125	94-98	B9EG	B9EIX
YZ 125	99-05	BR9EG	BR9EIX
YZ 125	06-	BR9EIX	---
TT-R225	99-	DR8EA	DR8EIX
YZ 250	74-81	B9EV	B9EIX
YZ 250	82-87	B9EG	B9EIX
YZ 250	88-95	B8EG	B8EIX
YZ 250	96-	BR8EG	BR8EIX
YZ 250F	01-	CR8E	CR8EIX
WR 250F	01-	CR8E	CR8EIX
YZ 400F	98-99	CR8E	CR8EIX
WR 400F	98-00	CR8E	CR8EIX
YZ 426F	00-02	CR8E	CR8EIX
WR 426F	01-02	CR8E	CR8EIX
WR 450F	01-02	CR8E	CR8EIX
WR 450F	01-02	CR8E	CR8EIX

VOR

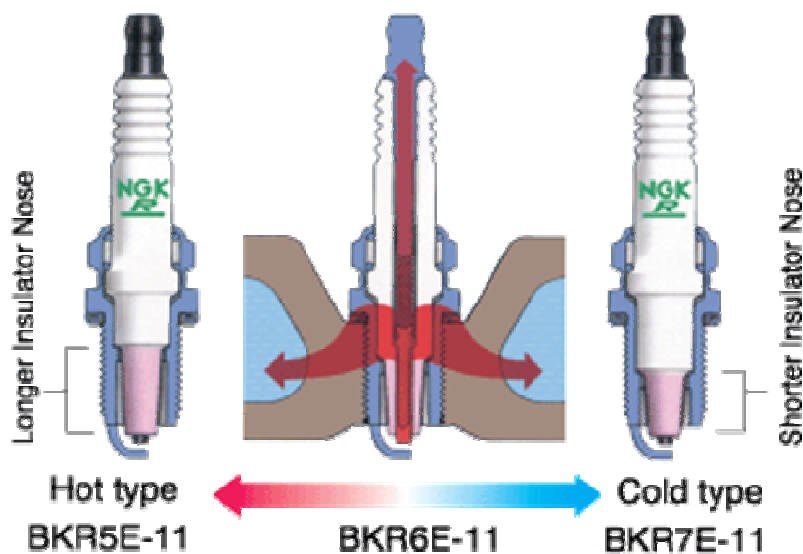
Model	Year	Standard	Racing
All	99-02	CR8EK	CR8EIX

How spark plugs work

A spark plug's heat range has no relationship to the actual voltage transferred through the spark plug. Rather, the heat range is a measure of the spark plug's ability to remove heat from the combustion chamber.

The heat range measurement is determined by several factors; the length of the ceramic centre insulator nose and its' ability to absorb and transfer combustion heat, the material composition of the insulator and centre electrode material.

Heat rating and heat flow path of NGK Spark Plugs



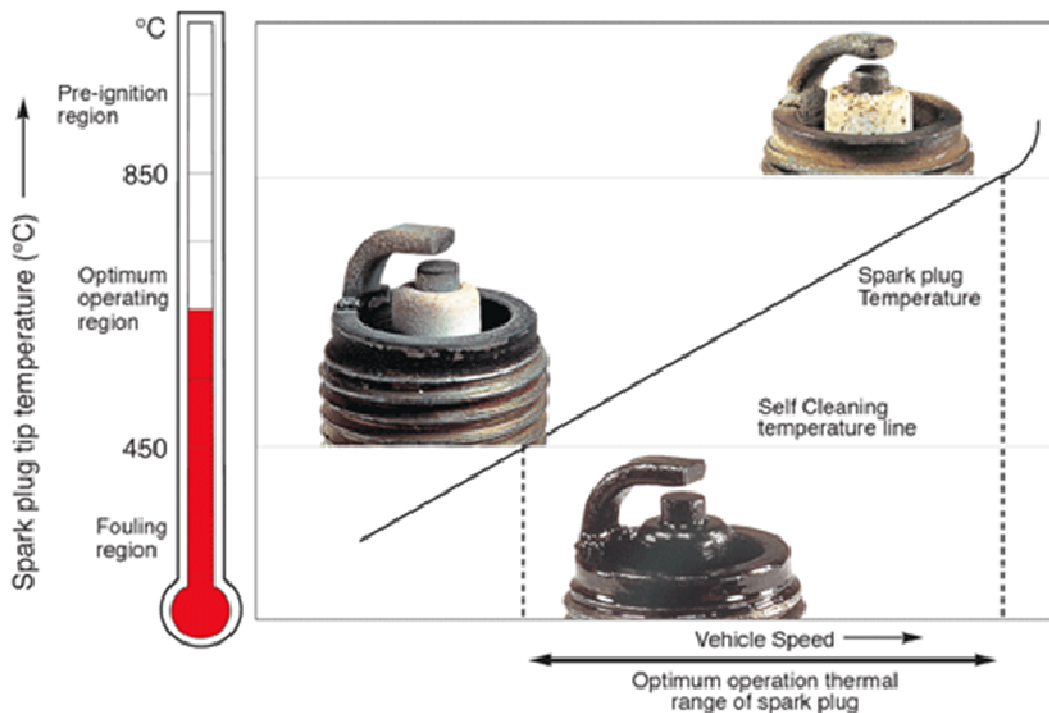
The insulator nose length is the distance from the firing tip of the insulator to the point where insulator meets the metal shell. Since the insulator tip is the hottest part of the spark plug, the tip temperature is a primary factor in pre-ignition and fouling.

Whether the spark plugs are fitted in a lawnmower, boat, or a race car, the spark plug tip temperature must remain between 500°C-850°C. If the tip temperature is lower than 500°C, the insulator area surrounding the center electrode will not be hot enough to burn off carbon and combustion chamber deposits.

These accumulated deposits can result in spark plug fouling leading to misfire. If the tip temperature is higher than 850°C the spark plug will overheat which may cause the ceramic around the center electrode to blister and the electrodes to melt. This may lead to pre-ignition/detonation and expensive engine damage.

In identical spark plug types, the difference from one heat range to the next is the ability to remove approximately 70°C to 100°C from the combustion chamber. A projected style spark plug firing tip temperature is increased by 10°C

Tip Temperature and Firing End Appearance



The firing end appearance also depends on the spark plugs tip temperature. There are three basic diagnostic criteria for spark plugs: good, fouled and overheated. The borderline between the fouling and optimum operating regions (450°C) is called the spark plug self-cleaning temperature. The temperature at this point is where the accumulated carbon and combustion deposits are burned off.

Keep in mind the insulator nose length is a determining factor in the heat range of a spark plug, the longer the insulator nose, the less heat is absorbed, and the further the heat must travel into the cylinder head water jackets. This means the plug has a higher internal temperature, and is said to be a hot plug. A hot spark plug maintains a higher internal operating temperature to burn off oil and carbon deposits, and has no relationship to spark quality or intensity.

Conversely, a cold spark plug has a shorter insulator nose and absorbs more combustion chamber heat. This heat travels a shorter distance, and allows the plug to operate at a lower internal temperature. A colder heat range is necessary when the engine is modified for performance, subjected to heavy loads, or is run at a high rpm for a significant period of time. Colder spark plugs remove heat quicker, reducing the chance of pre-ignition/detonation. Failure to use a cooler heat range in a modified application can lead to spark plug failure and severe