

Brembo Racing Discs

During braking the disc has to dissipate the kinetic energy of the motorcycle which is normally turned into heat by the friction between the pads and the disc itself. Therefore, the latter is affected by a thermomechanic force (heat + force) that the disc naturally holds out without getting deformed. Every disc has its own inertia (i.e. the tendency of a body not to modify its motion status) which depends on the weight and the external diameter and affects the speed when shifting directions. A new disc project must take all these points into consideration and the best performance is achieved when the disc is lighter and more resistant.

T-Drive Disc

"T-Drive" disc concentrates the most recent Brembo Racing technologies and knowhow, until now exclusive of MotoGP and SBK. A special "T" profile of the eight connections between rotor and drum is the innovation that makes "T-Drive" discs so different from traditional versions with cylindrical bushings.

This particular coupling allows to transfer braking torque more efficiently and guarantees higher resistance to thermo-mechanical stresses. T-Drive system assures both radial and axial movements (full floating) for better performances and a weight reduction which gives a consistent improvement in bike handling. The new rotor is lighter (reduced height) and more efficient thanks to new position of holes with differentiated diameters.

Also the drum concretely cooperates to the achievement of the best result: produced in aluminium alloy through CNC machining, has been projected to guarantee lightness and stiffness.

Supersport Disc

BREMBO RACING SUPERSPORT 5,5-mm discs are fully interchangeable with the original discs and they are designed to fit to the OE calipers as well as with BREMBO Racing. These are floating discs made up of a brake rotor in thermally-treated martensitic stainless steel (capable to stand any thermomechanic strain) and of an CNC alloy-aluminium bell.

These two parts are connected to each other using 10 bushings. The combination of these discs with Brembo Z04 pads won the 2009 World SuperSport Championship title.

Durante la frenata il disco dissipa l'energia cinetica della moto, attraverso il calore prodotto dall'attrito tra le pastiglie ed il disco stesso.

Quest'ultimo viene quindi sollecitato da un'azione termomeccanica alla quale il disco deve resistere senza deformarsi permanentemente.

Ogni disco è dotato della propria inerzia (tendenza di un corpo a non modificare il proprio stato di moto) dipendente da peso e diametro esterno, che, in pratica, influenza la rapidità nei cambi di direzione. Il progetto di un disco non può quindi prescindere da quanto sopra e sarà tanto migliore quanto più riuscirà a essere leggero e nel contempo resistente.

Disco "T-Drive"

Nato dall'esperienza maturata in SBK e MotoGP, il disco "T-Drive" presenta un nuovo accoppiamento tra fascia e campana, costituito da otto perni a "T" ricavati sul disco e da otto sagome sulla campana, che consente l'eliminazione dei noddolini di trascinamento. Questo sistema garantisce la trasmissione della coppia frenante in modo più efficace e migliora la resistenza agli stress termomeccanici.

Il sistema "T-DRIVE" permette la flottanza sia radiale sia assiale e consente di ridurre il peso complessivo del disco, portando un consistente vantaggio nella guidabilità.

La fascia è stata ottimizzata sia riducendone l'altezza (più leggerezza) sia ridistribuendo la disposizione dei fori (di diametro differenziato).

Anche la campana contribuisce in maniera sostanziale al risultato finale: realizzata in lega leggera tramite lavorazioni CNC, è stata progettata per garantire leggerezza e rigidità.

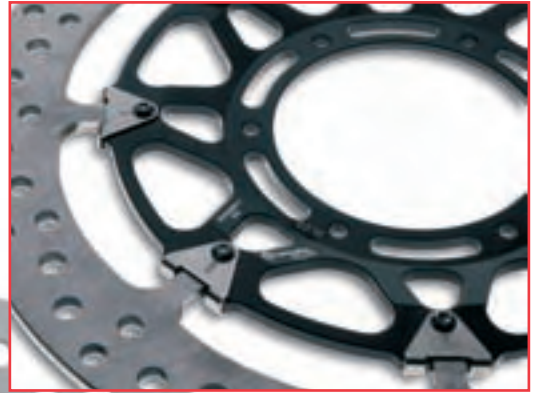
Disco SuperSport

I dischi SUPERSPORT spessore 5,5 mm. sono intercambiabili agli originali e adatti a lavorare sia con le pinze di serie che con le BREMBO Racing. Sono dischi completamente flottanti composti dalla fascia in acciaio martensitico termicamente trattato (in grado di resistere a qualsiasi sollecitazione termomeccanica) e dalla campana in lega d'alluminio ricavata dal pieno. L'accoppiamento tra i due componenti avviene per mezzo di 10 noddolini di trascinamento. Questi dischi, in combinazione con le pastiglie Brembo Z04, hanno vinto il Mondiale SuperSport 2009.



T-Drive Disc

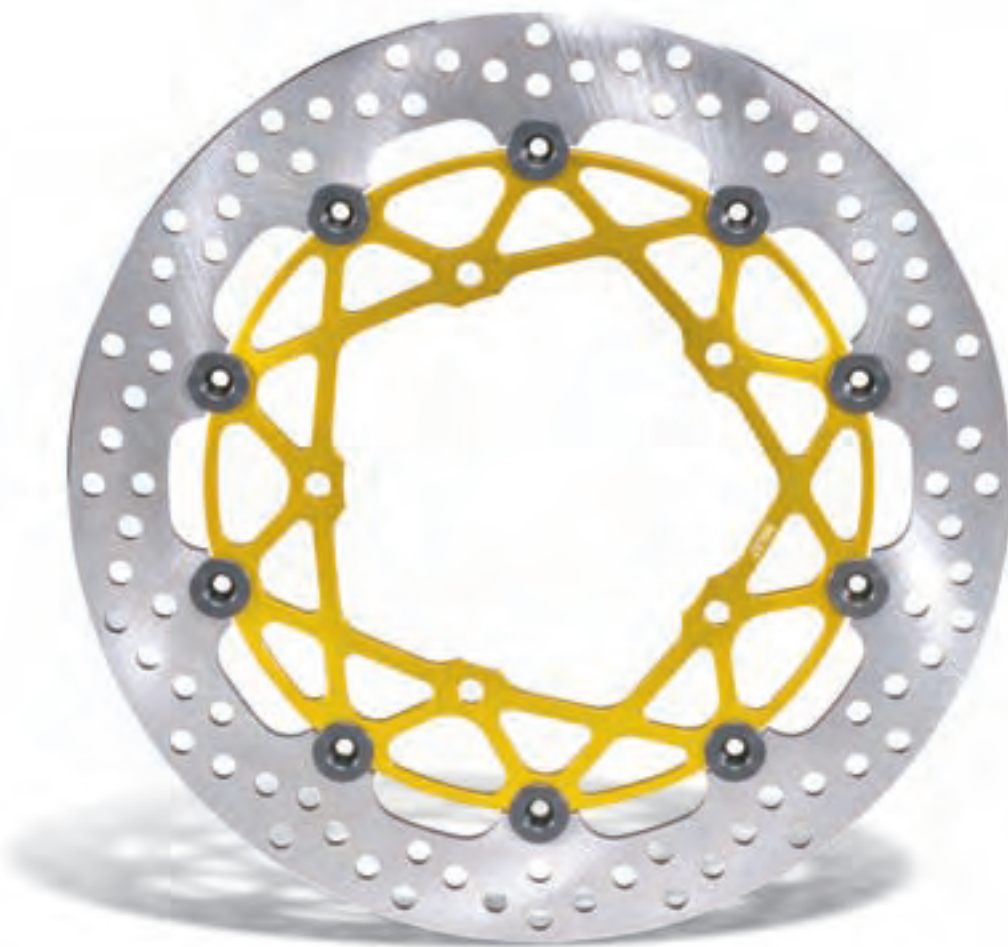
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Technical Characteristics • Caratteristiche Tecniche

<i>Mounting / Fissaggio</i>	<i>As original / Come originale</i>
<i>Rotor height / Altezza fascia</i>	33,2 mm.
<i>Rotor thicknes / Spessore fascia</i>	5,5 mm.
<i>Rotor material / Materiale fascia</i>	<i>Stainless steel / Acciaio inox</i>
<i>Bell material / Materiale campana</i>	<i>Aluminium alloy/ Lega alluminio</i>
<i>Connection number/ Numero connessioni</i>	8

1 Super Sport Disc



Technical Characteristics • Caratteristiche Tecniche

<i>Mounting / Fissaggio</i>	<i>As original / Come originale</i>
<i>Rotor height / Altezza fascia</i>	34 mm.
<i>Rotor thicknes / Spessore fascia</i>	5,5 mm.
<i>Rotor material / Materiale fascia</i>	<i>Stainless steel / Acciaio inox</i>
<i>Bell material / Materiale campana</i>	<i>Aluminium alloy / Lega alluminio</i>
<i>Connection number / Numero connessioni</i>	10

T-Drive and Supersport Discs Applications Table

Model	Year		Disc Ø	T-Drive Discs	SuperSport Discs	Note
	From	To				
APRILIA						
RSV1000	2000	2003	320	208.A985.10	208.9737.25	1, 9
RSV1000R	2000	2008	320	208.A985.10	208.9737.25	1, 9
RSV1000R Factory	2004	2007	320	208.A985.10	208.9737.25	1, 9
RSV4	2009	2009	320	208.A985.10	208.9737.25	1, 9
Tuono Models	2002	2006	320	208.A985.10	208.9737.25	1, 9
Tuono R	2006	2008	320	208.A985.10	208.9737.25	1, 9
Shiver 750	2007	2009	320	208.A985.10	208.9737.10	
BENELLI						
TNT Sport	2005	2008	320	208.A985.10	208.9737.10	
TNT Cafè	2005	2008	320	208.A985.10	208.9737.10	
TNT Titanium	2005	2008	320	208.A985.10	208.9737.10	
Tornado	2006	2008	320	208.A985.10	208.9737.10	
BIMOTA						
DB7	2007	2008	320	208.A985.10	208.9737.10	
DUCATI						
916	1994	2003	320	208.A985.10	208.9737.10	9
996, 998, excluding R models	1999	2003	320	208.A985.10	208.9737.10	9
749, 999 models	2003	2006	320	208.A985.11	208.9737.11	9
999 R/S	2003	2006	320	208.A985.11	208.9737.11	9
Monster S4R S	2003	2005	320	208.A985.10	208.9737.10	9
Monster 696	2009	2009	320	208.A985.10	208.9737.10	
Monster 1100	2009	2009	320	208.A985.36	208.9737.36	
Monster 1100 S	2009	2009	320	208.A985.11	208.9737.11	
Sport / GT	2009	2009	320	208.A985.10	208.9737.10	
848	2008	2009	320	208.A985.11	208.9737.11	
1098	2007	2008	320	208.A985.11	208.9737.11	
1198	2009	2009	320	208.A985.11	208.9737.11	
1198 S	2009	2009	320	208.A985.11	208.9737.11	
1198 R	2009	2009	320	208.A985.11	208.9737.11	
1198 R Bayliss	2009	2009	320	208.A985.11	208.9737.11	
Hypermotard	2007	2008	320	208.A985.36	208.9737.36	
Hypermotard S	2009	2009	320	208.A985.36	208.9737.36	
Streetfighter	2009	2009	320	208.A985.11	208.9737.11	
Streetfighter S	2009	2009	320	208.A985.11	208.9737.11	
HONDA						
VTR 1000 SP1, SP2 (RC51)	2000	2006	320	208.A985.12	208.9737.12	9
CBR 600 RR	2003	2009	310	208.A985.13	208.9737.13	9
CBR 600 RR	2005	2009	320	208.A985.12	208.9737.12	10
CBR 1000 RR	2004	2005	310	208.A985.13	208.9737.13	9
CBR 1000 RR	2004	2005	320	208.A985.12	208.9737.12	10
CBR 1000 RR	2006	2007	320	208.A985.12	208.9737.12	9
CBR 1000 RR	2008	2008	320	208.A985.31	208.9737.31	8
CBR 1000 RR (without ABS)	2009	2009	320	208.A985.31	208.9737.31	8
CB1000 RR	2008	2009	310	208.A985.13	208.9737.13	
CB1000 RR	2008	2009	320	208.A985.12	208.9737.12	

T-Drive and Supersport Discs Applications Table

Model	Year		Disc Ø	T-Drive Discs	SuperSport Discs	Note
	From	To				
KAWASAKI						
ZX 6 R (600 cc)	2003	2004	300		208.9737.14	3
ZX 6 R (636 cc)	2005	2006	300		208.9737.14	9
ZX 6 RR (636 cc)	2003	2004	300		208.9737.14	3
ZX 6 RR (600 cc)	2005	2009	300		208.9737.14	9
ZX 6 RR (600 cc)	2005	2009	320	208.A985.22	208.9737.22	4
ER-6N (650cc)	2006	2009	300		208.9737.14	
Z 750 2007	2009	300		208.9737.14		
ZX 10 R	2004	2007	300		208.9737.14	9
ZX 10 R	2004	2007	320	208.A985.22	208.9737.22	4
ZX 10 R	2008	2009	310	208.A985.34	208.9737.34	8
ZX 10 R	2008	2009	320	208.A985.22	208.9737.22	4, 8
Z 1000 2007	2009	300		208.9737.14		
ZX 14 R	2006	2009	310	208.A985.34	208.9737.34	
ZX 14 R	2006	2009	320	208.A985.22	208.9737.22	
KTM						
Supermoto 950	2005	2008	320	208.A985.10	208.9737.10	
LC8 SM	2009	2009	320	208.A985.10	208.9737.10	
LC8 SD	2009	2009	320	208.A985.10	208.9737.10	
LC8 SD-R	2009	2009	320	208.A985.10	208.9737.10	
LC8 SM-T	2009	2009	320	208.A985.10	208.9737.10	
LC8 SM-R	2009	2009	320	208.A985.10	208.9737.10	
990 Superduke	2007	2008	320	208.A985.10	208.9737.10	7
RC8	2008	2009	320	208.A985.10	208.9737.10	9
RC8-R	2009	2009	320	208.A985.10	208.9737.10	9
MV AUGUSTA						
F4 750 S	2003	2007	310	208.A985.27	208.9737.27	9
F4 1000 S	2005	2007	310	208.A985.27	208.9737.27	9
F4 1000 R & Senna	2006	2007	320	208.A985.28	208.9737.28	9
F4 1078	2009	2009	320	208.A985.28	208.9737.28	9
Brutale S	2004	2005	310	208.A985.27	208.9737.27	9
Brutale 910	2006	2007	310	208.A985.27	208.9737.27	9
Brutale R	2006	2007	320	208.A985.28	208.9737.28	9
Brutale 1078	2009	2009	320	208.A985.28	208.9737.28	9
SUZUKI						
GSX-R 600	2001	2003	320		208.9737.15	9
GSX-R 600	2004	2005	300		208.9737.16	9
GSX-R 600	2006	2007	310	208.A985.17	208.9737.17	9
GSX-R 600	2006	2007	320	208.A985.26	208.9737.26	5
GSX-R 600	2008	2009	310	208.A985.32	208.9737.32	
GSX-R 600	2008	2009	320	208.A985.33	208.9737.33	12
GSX-R 750	2000	2003	320		208.9737.15	9
GSX-R 750	2004	2005	300		208.9737.16	9
GSX-R 750	2006	2007	310	208.A985.17	208.9737.17	9
GSX-R 750	2006	2007	320	208.A985.26	208.9737.26	5
GSX-R 750	2008	2009	310	208.A985.32	208.9737.32	

T-Drive and Supersport Discs Applications Table

Model	Year		Disc Ø	T-Drive Discs	SuperSport Discs	Note
	From	To				
GSX-R 750	2008	2009	320	208.A985.33	208.9737.33	12
GSX-R 1000	2001	2002	320		208.9737.15	9
GSX-R 1000	2003	2004	300		208.9737.16	9
GSX-R 1000	2005	2007	310	208.A985.17	208.9737.17	9
GSX-R 1000	2005	2008	320	208.A985.26	208.9737.26	5
GSX-R 1000	2008	2008	310	208.A985.17	208.9737.17	5
GSX-R 1000	2009	2009	310	208.A985.32	208.9737.32	5
GSX-R 1000	2009	2009	320	208.A985.33	208.9737.33	6
Hayabusa	1999	2005	320		208.9737.15	9
Hayabusa	2008	2009	310	208.A985.35	208.9737.35	
B-King	2008	2009	310	208.A985.35	208.9737.35	
TRIUMPH						
Speed Triple	2004	2005	320	208.A985.23	208.9737.23	9
Speed Triple	2008	2009	320	208.A737.37	208.9737.37	
Street Triple	2007	2009	310	208.A737.30	208.9737.30	
675	2006	2009	310	208.A737.30	208.9737.30	
YAMAHA						
YZF-R6	1999	2002	300		208.9737.18	
YZF-R6	2003	2004	300		208.9737.19	
YZF-R6	2005	2009	310	208.A985.20	208.9737.20	9
YZF-R6	2005	2008	320	208.A985.21	208.9737.21	11
YZF-R6S	2006	2006	300		208.9737.19	9
FZ6	2004	2008	300		208.9737.19	
XJ6	2009	2009	300		208.9737.19	
YZF-R1	1998	2003	300		208.9737.18	9
YZF-R1	2004	2006	320	208.A985.21	208.9737.21	9
YZF-R1 SP-LE	2006	2006	320	208.A985.24	208.9737.24	9
YZF-R1	2007	2009	310	208.A985.20	208.9737.20	9
YZF-R1	2007	2009	320	208.A985.21	208.9737.21	
FZ1	2006	2009	320	208.A985.21	208.9737.21	
MT-03	2006	2009	300		208.9737.19	

All systems are front only and are direct replacements for the OEM components with exception of the upgrade bigger disc size.

Specific Notes:

- 1 - Aprilia applications require new disc mounting bolts, available into the disc kit
- 3 - OEM disc diameter is 280mm, 300mm discs (XXX.14) may be used by adding the spacers under the brake caliper
- 4 - OEM disc diameter is 300mm, 320mm discs (XXX.22) may be used by adding the spacers under the brake caliper
- 5 - OEM disc diameter is 310mm, 320mm discs (XXX.26) may be used by adding the spacers under the brake caliper
- 7 - The disc can not be used along with the OES caliper
- 9 - Discs with ABE approval granted by the German Ministry of Transport on TÜV certification
- 10 - OEM disc diameter is 310 mm, 320 mm discs (XXX.12) may be used by adding the spacer under the OEM
- 11 - OEM disc diameter is 310 mm, 320 mm discs (XXX.21) may be used by adding the spacer under the OEM
- 12 - OEM disc diameter is 310 mm, 320 mm discs (XXX.33) may be used by adding the spacer under the OEM

1 SBK Disc



Technical Characteristics • Caratteristiche Tecniche

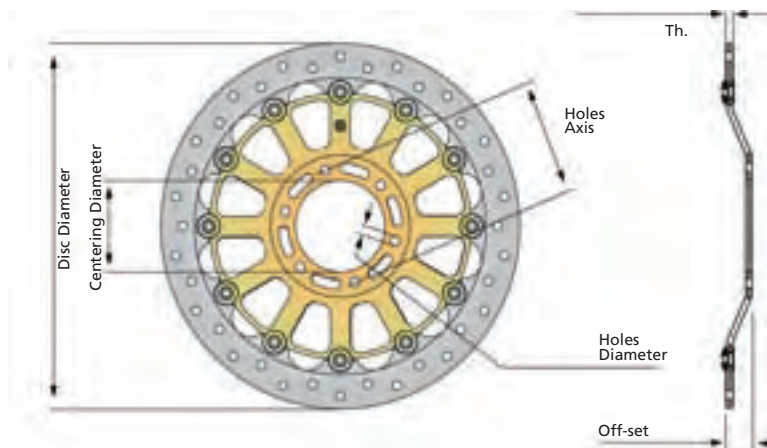
<i>Mounting / Fissaggio</i>	<i>See next page / Vedi pagina successiva</i>
<i>Rotor height / Altezza fascia</i>	30 mm.
<i>Rotor thicknes / Spessore fascia</i>	6 mm.
<i>Rotor material / Materiale fascia</i>	<i>Stainless steel / Acciaio inox</i>
<i>Bell material / Materiale campana</i>	<i>Aluminium alloy/ Lega alluminio</i>
<i>Connection number/ Numero connessioni</i>	12

SBK Discs Dimensions Table

Code	Application	Disc ∅	Inner ∅	Holes axis	Holes ∅	Holes n°	Offset mm.	Th. mm.
08670311	A	320	64,0	80,0	8,5	6	10,5	6,0
08670321	-	320	80,0	101,5	8,5	6	10,5	6,0
08670366	-	320	69,0	91,0	10,0	10	3,4	6,0
08715030	H	320	72,0	90,0	8,5	5	10,0	6,0
08715150	B	320	132,0	150,0	8,5	5	0,0	6,0
08755010	C	320	94,0	110,0	6,5	6	13,0	6,0
08755011	D	320	80,5	100,0	10,5	5	0,0	6,0
08755012	E	320	100,0	120,0	10,5	5	0,0	6,0
08755013	F	320	72,0	90,0	8,5	5	15,5	6,0
08755014	I	320	80,0	101,5	8,5	5	7,5	6,0
08715066	G	320	69,0	91,0	10,2	5	0,0	6,0
08715202	L	320	94,0	110,0	6,25	6	15,75	6,0
08670343	-	290	58,0	74,0	6,25	6	17,0	5,5
952000	-	200	==	124,0	9,0	4	0,0	3,5
VENTILATED RACING DISC								
XA0J434/35	-	305	72	90,0	8,5	5	11,5	8,0
08715034	-	218	69	86,0	8,2	3	12,0	8,0

Applications list • Applicazioni

- | | |
|--|--|
| <p>A > Aprilia RSV / Ducati 748 - 916 - 996 - 998 / Mondial PIEGA
Disc used on different version of these models, please ask
Disco per varie versioni di questi modelli, chiedere per conferma</p> <p>B > Yamaha R6 '05 > / R1 '04 >
Original disc diameter 310 / 320 mm.</p> <p>C > Honda CBR 600RR '05 > / 1000RR '04 >
Original disc diameter 310 / 320 mm.</p> <p>D > Kawasaki ZX 10R '04 > / ZX 6R '05 / '06 e ZX 6RR '05 >
Original disc diameter 300 mm.</p> <p>E > Suzuki GSX 600R '06- GSX 750R '06 - GSX 1000R '05 >
Original disc diameter 310 mm.</p> | <p>F > Ducati 749 / 999
(Original replacement / Ricambio originale)</p> <p>G > Suzuki GSX 600R '97/'03 - GSX 750R '96/'03 - GSX 1000R '01/'02
Original disc diameter 320 mm.</p> <p>G > Suzuki GSX 600R '04/'05 - GSX 750R '04/'05 - GSX 1000R '03/'04
Original disc diameter 300 mm.</p> <p>H > DUCATI 999 RS (SBK clienti)
(Original replacement / Ricambio originale)</p> <p>I > MV Agusta F4 750 - F4 1000 - Brutale 750/910
(Original replacement / Ricambio originale)</p> <p>L > Honda CBR 1000RR '08
(Original replacement / Ricambio originale)</p> |
|--|--|



Spacer Kits for Original Disc Diameter Kit Distanziali per Diametri Dischi Originali

Model	Year	Disc Ø OEM	Disc P/N	Spacers Kit Code for Caliper 220A01610 and 220A80210	Spacers kit Code for Caliper 220A39710 and 220B01010
HONDA					
CBR 600 RR	'05 - '10	310	208973713	105998709	N/A
CBR 1000 RR	'04 - '05	310	208973713	105998709	N/A
CBR 1000 RR	'06 - '07	320	208973712	105998709	105998709 *
CBR 1000 RR	'08 - '10	320	208973731	105998709	105998709 *
KAWASAKI					
ZX 6 R	'05 - '10	300	208973714	220A02411	105998709
ZX 10 R	'04 - '07	300	208973714	220A02411	105998709
ZX 10 R	'08 - '10	310	208973734	220A06127	220A06117
SUZUKI					
GSX R 600/750	'04 - '05	300	208973716	220A02411	105998709
GSX R 600/750	'06 - '07	310	208973717	220A06127	220A06117
GSX R 600/750	'08 - '10	310	208973732	220A06127	220A06117
GSX R 1000	'03 - '04	300	208973716	220A02411	105998709
GSX R 1000	'05 - '07	310	208973717	220A06127	220A06117
GSX R 1000	'08 - '10	310	208973717	220A02431	220A02421
Hayabusa	'08 - '10	310	208973735	220A02431	220A02421
YAMAHA					
YZF R6	'05 - '10	310	208973720	220A06125	220A06115
YZF R1	'04 - '06	320	208973721	220A06125	220A06115

* (by removing OE Honda spacer)

Spacer Kits for Upgrade Disc Kit Distanziali per Dischi Maggiorati

Model	Year	Disc Ø Upgrade	Disc P/N	Spacers Kit Code for Caliper 220A01610 and 220A80210	Spacers kit Code for Caliper 220A39710 and 220B01010
HONDA					
CBR 600 RR	'05 - '10	320	208973712	220A02411	105998709
CBR 1000 RR	'04 - '05	320	208973712	220A02411	105998709
KAWASAKI					
ZX 6 R	'05 - '10	320	208973722	220A02431	220A02421
ZX 10 R	'04 - '07	320	208973722	220A02431	220A02421
ZX 10 R	'08 - '10	320	208973722	220A06137	220A06177
SUZUKI					
GSX R 600/750	'06 - '07	320	208973726	220A06137	220A06177
GSX R 600/750	'08 - '10	320	208973733	220A06137	220A06177
GSX R 1000	'05 - '07	320	208973726	220A06137	220A06177
GSX R 1000	'08 - '10	320	208973726	220A06137	220A06177
YAMAHA					
YZF R6	'05 - '10	320	208973721	220A06135	220A06175