

CLUTCHES

CLUTCH FOR EVERY STANDARD

Sinter produces centrifugal and lamellar clutches in the form of replacement parts, or as performance upgrade units for your go-kart.

We drive our development of new friction materials forward to improve our clutch offering and make it suitable for even the most demanding racers.

For a full list of clutches see page 35.

LAMELLAR ARAMID COMPOSITE + MMC CLUTCHES

We minimized the weight of the clutch construction by combining a special friction material with the lightweight MMC middle plates, constructed with aramid – that is how we lowered the weight by 60% compared to a standard middle plate.



/ DYNAMIC CHARACTERISTICS
/ EXCELLENT TEMPERATURE RESISTANCE
/ LONG LIFE

WEIGHT

We strive to lower the weight of the clutch plates as much as possible. We achieve that by using lightweight alloys and composite materials for the base plates, and friction materials with no metal parts for the friction interface.

We use a combination of aramid + MMC for extremely lightweight clutch product.

SINTER(シンター)クラッチプレート&ドラム製品は受注製品です
ご興味られる方は弊社までお気軽にお問い合わせください。

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CENTRIFUGAL CLUTCHES

We offer centrifugal clutches for all engine types – lame, Tm, Rotax and others.

There are two materials available:



1 Organic, for a non-sliding clutch in general applications, with good temperature resistance and long service life.

2 Special high temperature resistant material, for an extreme performance racing clutch with long service life. It can endure aggressive starts and performs well in all conditions.



CUSTOM

Sinter's own R&D and production department can always provide custom clutch components per request. With our rich knowledge we can help the customer experiment and decide on the clutch shape and material used.

KARTING CLUTCHES

LAMELLAR

121-013-003

IAME (KZ)

N° friction plates (aramid) - 6

KIT 1

N° drive plates (MMC) - 0

121-013-004

IAME (KZ)

N° friction plates (aramid) - 6

KIT 2

N° drive plates (MMC) - 6

ASSEMBLY

Lamellar Clutch

IAME KZ

A - Aramid Friction Plates - 3 mm thickness

B - MMC Drive Plates - 1,5 mm thickness

121-013-005

TM (KZ 10)

N° friction plates (aramid) - 5

KIT 1

N° drive plates (MMC) - 0

121-013-006

TM (KZ 10)

N° friction plates (aramid) - 5

KIT 2

N° drive plates (MMC) - 4

ASSEMBLY

Lamellar Clutch

TM (KZ10)

A - Aramid Friction Plates - 3 mm thickness

B - MMC Drive Plates - 1,5 mm thickness

C - Aramid Friction Plates - 2,5 mm thickness

121-013-005

TM (KZ 10)

N° friction plates (aramid) - 5

KIT 1

N° drive plates (MMC) - 0

121-013-007

TM (KZ 10C)

N° friction plates (aramid) - 5

KIT 2

N° drive plates (MMC) - 5

ASSEMBLY

Lamellar Clutch

TM (KZ10 C)

A - Aramid Friction Plates - 3 mm thickness

B - MMC Drive Plates - 1,5 mm thickness

C - Aramid Friction Plates - 2,5 mm thickness

121-013-008

TM (R1)

N° friction plates (aramid) - 5

KIT 1

N° drive plates (MMC) - 0

121-013-009

TM (R1)

N° friction plates (aramid) - 5

KIT 2

N° drive plates (MMC) - 5

ASSEMBLY

Lamellar Clutch

TM (R1)

A - Aramid Friction Plates - 3 mm thickness

B - MMC Drive Plates - 1,5 mm thickness

* MMC drive plates are not included in KIT 1.

CUSTOM MADE COMBINATION – Single Piece

151-013-005

TM (KZ10/R1)

Overall thickness (mm) - 3

Material - Aramid

Inner Diameter (mm) - 100,3

151-013-025

TM (KZ10)

Overall thickness (mm) - 2,5

Material - Aramid

Inner Diameter (mm) - 100,3

151-012-006

TM (KZ10/R1)

Overall thickness (mm) - 1,5

Material - MMC

Inner Diameter (mm) - 89,5

LAMELLAR

<div>12C-084-15-23</div> <div>KF</div> <div>Inner Diameter (mm) - 83,5</div> <div>Material - Organic</div> <div>Overall Thickness (mm) - 15</div> <div></div>	<div>12C-084-15-24</div> <div>KF</div> <div>Inner Diameter (mm) - 83,5</div> <div>Material - Carbon</div> <div>Overall Thickness (mm) - 15</div> <div></div>	<div>12C-084-17-11</div> <div>IAME LEOPARD</div> <div>Inner Diameter (mm) - 84,0</div> <div>Material - Organic</div> <div>Overall Thickness (mm) - 17</div> <div></div>
<div>12C-084-17-12</div> <div>IAME LEOPARD</div> <div>Inner Diameter (mm) - 84,0</div> <div>Material - Carbon</div> <div>Overall Thickness (mm) - 17</div> <div></div>	<div>12C-084-17-01</div> <div>IAME X30 (After 2013)</div> <div>Inner Diameter (mm) - 84,3</div> <div>Material - Organic</div> <div>Overall Thickness (mm) - 17</div> <div></div>	<div>12C-084-17-02</div> <div>IAME X30 (After 2013)</div> <div>Inner Diameter (mm) - 84,3</div> <div>Material - Carbon</div> <div>Overall Thickness (mm) - 17</div> <div></div>
<div>12C-084-17-21</div> <div>IAME X30 (Before 2013)</div> <div>Inner Diameter (mm) - 84,0</div> <div>Material - Organic</div> <div>Overall Thickness (mm) - 17</div> <div></div>	<div>12C-084-17-22</div> <div>IAME X30 (Before 2013)</div> <div>Inner Diameter (mm) - 84,3</div> <div>Material - Carbon</div> <div>Overall Thickness (mm) - 17</div> <div></div>	

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KARTING BRAKES AND CLUTCHES

2020-21