# **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

### **CENTRIFUGAL CLUTCHES**

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

### There are two materials available:



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.

### 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 ご興味あられる方は弊社までお気軽にお問い合わせください。 info@intrepid-japan.com

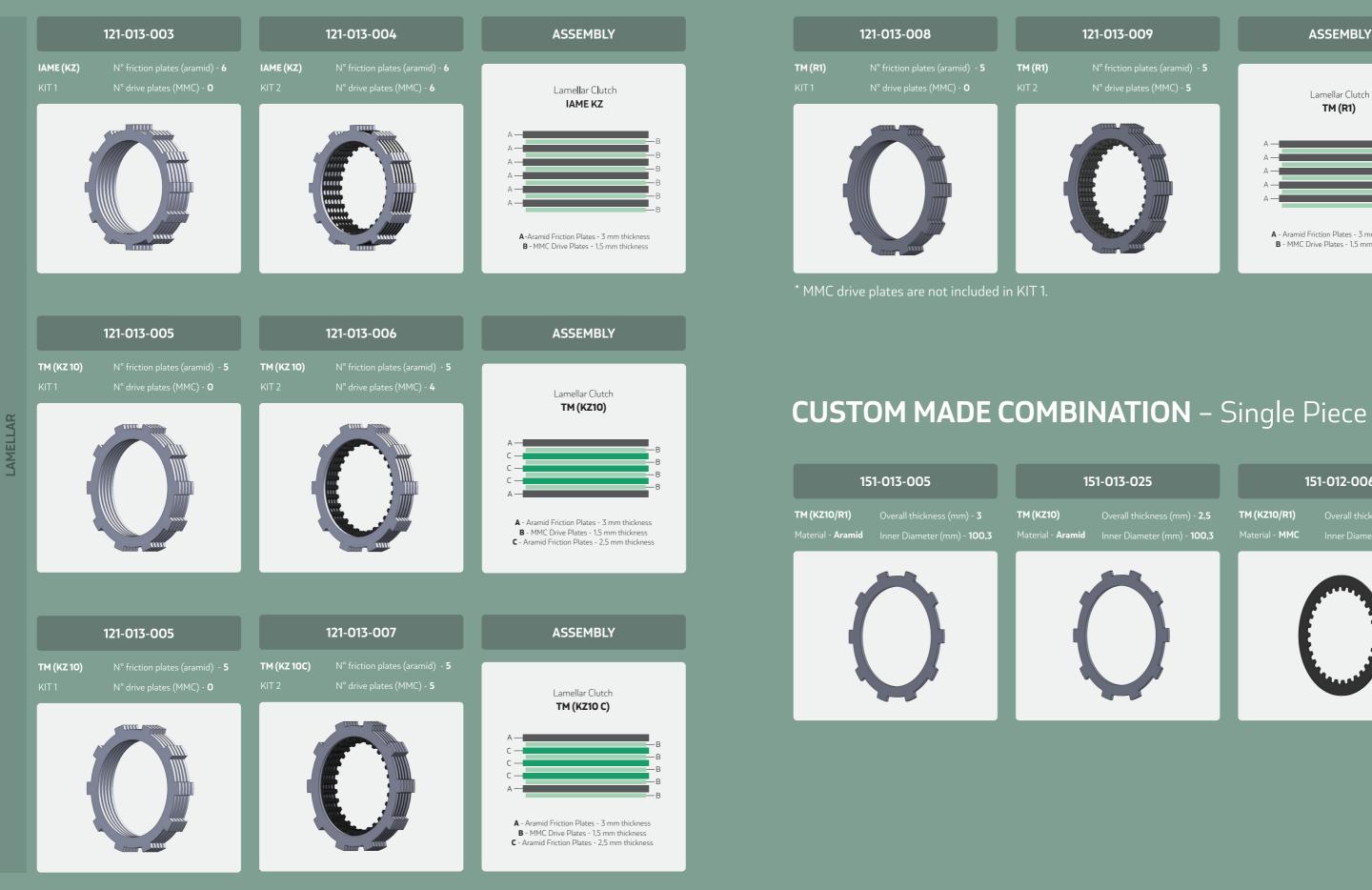
### **CUSTOM**

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.

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



# **KARTING CLUTCHES**





### ASSEMBLY

# Lamellar Clutch TM (R1)

A - Aramid Friction Plates - 3 mm thickness **B** - MMC Drive Plates - 1,5 mm thickness



### 151-012-006

TM (KZ10/R1) Material - MMC





12C-084-17-12

IAME LEOPARD Inner Diameter (mm) - 84,0



12C-084-17-01

12C-084-15-24





### 12C-084-17-02

IAME X30<br/>(After 2013)Inner Diameter (mm) - 84,3Material - OrganicOverall Thickness (mm) - 17

IAME X30 (After 2013) Material - Carbon Overall Thickness (mm) - 17



### 12C-084-17-21

IAME X30<br/>(Before 2013)Inner Diameter (mm) - 84,0Material - OrganicOverall Thickness (mm) - 17



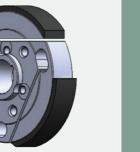
### 12C-084-17-22

IAME X30 (Before 2013) Material - Carbon Overall Thickness (mm) - 17



## 12C-084-17-11

IAME LEOPARD Inner Diameter (mm) - 84,0 Material - **Organic** Overall Thickness (mm) - **17** 







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## **KARTING BRAKES AND CLUTCHES**



Karting brake clutches





Sinter

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