

DEFIANT X

HIGH PERFORMANCE CLUTCH ASSEMBLY



**BLACK
MAGIC
CLUTCHES**

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LIGHT WEIGHT 7575 ALUMINUM COVER

The cover is made from 7575 billet aluminum and is tapered for ultra low profile design. The flat top design eliminates potential interference with clutch forks and other hardware. Rotational design creates cooling from the lever stands and adds to the increased heat dissipation of the aluminum cover and pressure plate.

LUG DRIVEN PRESSURE PLATE

Standard “Long Style” assemblies are driven from the lever stands on the cover. The Defiant is lug driven which increases strength, durability and consistency. By using the lug driven feature it allows the Defiant to properly place the lever pivot in a more central location on the pressure ring giving the applied pressure from counter weight a more optimized location for better wear and consistency.

DYNO DESIGNED BILLET LEVER DESIGN

All lever designs by Black Magic Clutches are done using clutch dyno information to properly control the applied pressure rate and provide the most optimal tuning window possible. By moving precise fulcrum/pivot points and balancing the lever geometry we are able to control and smooth the bell curve of applied pressure. Each assembly had applied pressure information available to show exactly how much pressure is applied at every 100 rpm for every additional gram of counter weight for precise tuning. The Defiant features two “in-Board” counter weight holes that can allow for extra control of the applied pressure rate.

SEGMENTED HEAT SHIELDS

Using high grade segmented bolt on heat shields, the Defiant X can better dissipate heat, allowing more even disc wear and more consistent runs by allowing the expansion and contraction of the surface plates.



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