



Racing Clutch System

motorsport



Carbon Clutches

This highly sophisticated clutch is the perfect blend of durability and performance. Designed for high-end applications it stands out with a remarkably low mass and an astonishingly favorable inertia. This makes it an excellent feature in your drivetrain regarding acceleration and elasticity. The well elaborated high strength steel or forged aluminium housing is the ideal containment for the impressive carbon/carbon stack.

Designed and developed for:

- Formula cars
- Prototypes
- Touring cars
- Circuit Racing

Advantages:

The major advantage is a much higher temperature resistance and at the same time a significant reduction in weight and inertia, when compared to a sinter-steel clutch.

On top of that the clutch life is increased significantly, compared to that of a steel sinter

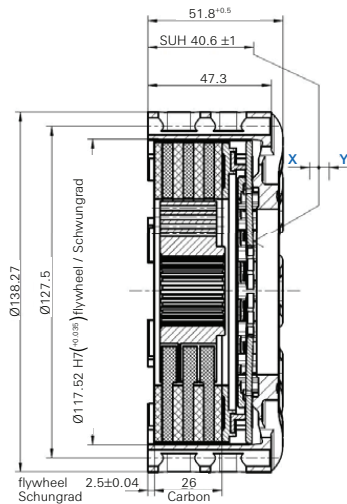
clutch, by using thicker pressure rings "shims" to compensate the carbon stack wear created during use. This ensures that the driver will find the bite point at the same clutch paddle position, as though the condition were as-new.

Clutch	Torque Range	Number of Discs	Facing	Friction Lining	Actuation	Flywheel Type
RCS 115-Y-D-S-XX	860 ... 1,150 Nm	3 / 4	Y	Carbon	Push Type	Step (internal spigot)
RCS 115-Y-D-F-XX	860 ... 1,150 Nm	3 / 4	Y	Carbon	Push Type	Flat (external spigot)
RCS 140-Y-D-S-XX	370 ... 1,330 Nm	2 / 3 / 4	Y	Carbon	Push Type	Step (internal spigot)
RCS 140-Y-D-F-XX	370 ... 1,330 Nm	2 / 3 / 4	Y	Carbon	Push Type	Flat (external spigot)
RCS 184-Y-D-S-XX	370 ... 1,330 Nm	2 / 3	Y	Carbon	Push Type	Step (internal spigot)

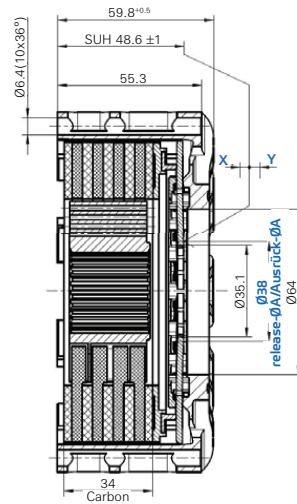
RCS 115-Y-D-S-XX

Key Dimensions

3-Plate Clutch
3-Scheiben Kupplung
RCS 3/115-Y-D-S-38



4-Plate Clutch
4-Scheiben Kupplung
RCS 4/115-Y-D-S-38



Technical Specifications

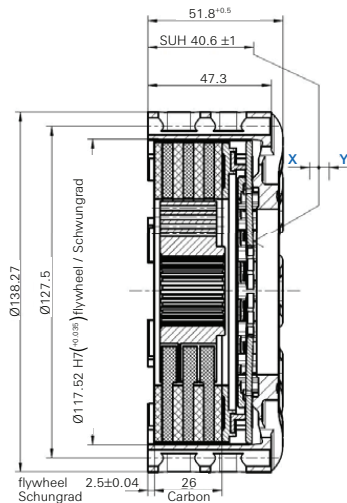
Selection Criteria		Technical Specification						Purchase Order Number	
Clutch Torque	Release ØA	Release Force worn	Release Travel X	Wear Travel Y	Mass	Inertia	Spline		Part Number
[Nm]	[mm]	[N]	[mm]	[mm]	[kg]	[kgm2]	ZF Code	Size	
3-Disc Clutch									
860	38	4,900	4.5 +0.3	4.5	1.91	0.00480	931	1.16" x 26T	883082002902
860	38	4,900	4.5 +0.3	4.5	1.91	0.00480	047	1" x 23T	883082002903
860	38	4,900	4.5 +0.3	4.5	1.91	0.00480	890	1.25" x 29T	883082002904
4-Disc Clutch									
1,150	38	4,900	4.5 +0.3	4.5	2.15	0.00542	931	1.16" x 26T	883082002905
1,150	38	4,900	4.5 +0.3	4.5	2.15	0.00542	047	1" x 23T	883082002906
1,150	38	4,900	4.5 +0.3	4.5	2.15	0.00542	890	1.25" x 29T	883082002907

More clutch torque without safety margin!
Pressure rings / base plates for wear compensation and clutch maintenance can be purchased separately.

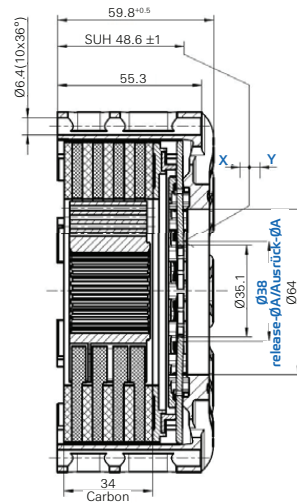
RCS 115-Y-D-F-XX

Key Dimensions

3-Plate Clutch
3-Scheiben Kupplung
RCS 3/115-Y-D-F-38



4-Plate Clutch
4-Scheiben Kupplung
RCS 4/115-Y-D-F-38



Technical Specifications

Selection Criteria		Technical Specification						Purchase Order Number	
Clutch Torque	Release ØA	Release Force worn	Release Travel X	Wear Travel Y	Mass	Inertia	Spline		Part Number
[Nm]	[mm]	[N]	[mm]	[mm]	[kg]	[kgm2]	ZF Code	Size	
3-Disc Clutch									
860	38	4,900	4.5 +0.3	4.5	1.91	0.00480	931	1.16" x 26T	883082002976
860	38	4,900	4.5 +0.3	4.5	1.91	0.00480	047	1" x 23T	883082002977
860	38	4,900	4.5 +0.3	4.5	1.91	0.00480	890	1.25" x 29T	883082002978
4-Disc Clutch									
1,150	38	4,900	4.5 +0.3	4.5	2.15	0.00542	931	1.16" x 26T	883082002979
1,150	38	4,900	4.5 +0.3	4.5	2.15	0.00542	047	1" x 23T	883082002980
1,150	38	4,900	4.5 +0.3	4.5	2.15	0.00542	890	1.25" x 29T	883082002981

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