



Racing Clutch System

motorsport



RCS 200

You have found a perfect clutch to handle the hard demands of modern day motorsports. The specialised shot peened housing excellently fuses robustness and reliability into one, whilst maintaining the competitive character with its conducive mass and inertia properties. Keeping this in mind and knowing that it is used in race winning drivetrains, it further provides high thermal stability making it fit for off-track races absorbing unexpected misuse events. On top of that the modulation comfort will leave you with all desires fulfilled.

Designed and developed for:

- Rally
- Circuit racing
- Touring cars

Advantages:

Lightweight design, low release force, low mass and inertia.

Key Dimensions



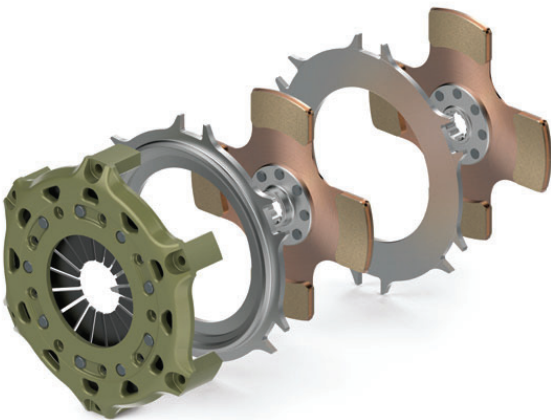
- Select the suitable hub configuration
- The order number of the driven discs is defined with the ZF Code / spline size application
- A configuration example can be found on pages V15 & V16

Technical Specifications

Selection Criteria		Technical Specification							Purchase Order Number			
Clutch Torque	Release ØA	Spring inner ØB	Release Force max.	Wear Range	Release Travel X	Wear Travel Y	Mass	Inertia	Housing	Pressure Plate	Intermediate Plate 003019000380	Driven Disc*
[Nm]	[mm]	[mm]	[N]	[mm]	[mm]	[mm]	[kg]	[kgm2]	Part Number	Part number	Qty.	Qty.
1-Disc Clutch												
832	49	46	3,700	1.5	5.0 +0.5	5.0	3.15	0.02089	003072000421	003002001365	0	1
2-Disc Clutch												
1,665	49	46	3,700	1.5	5.0 +0.5	5.0	4.52	0.02956	003072000420	003002001173	1	2

More clutch torque without safety margin!

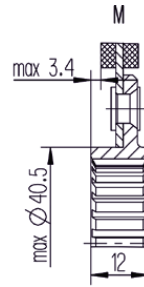
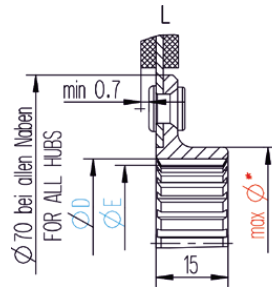
*) The order number for driven discs, according to the required hub spline configuration and spline selection can be found on the following pages



Hub Configuration RCS 200-S7.8

1-Disc Clutch

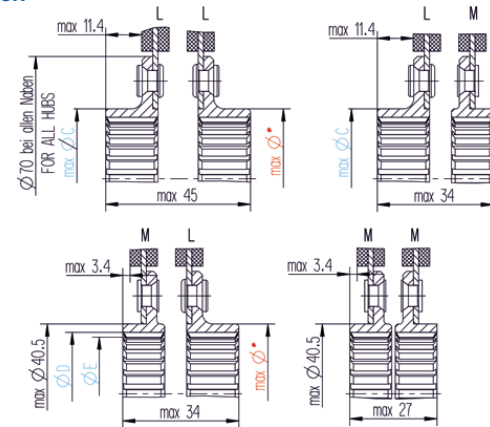
Flywheel



Gearbox

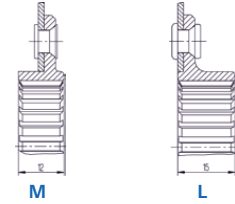
2-Disc Clutch

Flywheel

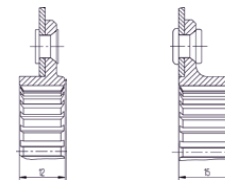


Gearbox

Driven Disc Selection according to Hub Type RCS 200-S7.8



ZF Code	Spline Basic	Spline Inch	No. of Teeth	Dim. C [mm]	Dim. D [mm]	Dim. E [mm]	M	L
002	1 SAE 10C	1" x 10T	10	30.5	25.8	20.6	881864002561	881864002597
003	1 1/8 SAE 10C	1.12" x 10T	10	34.5	28.9	23.4	881864002562	881864002598
010	A10 x 16 x 20		10	26.5	20.0	16.0	881864002563	881864002599
013	A10 x 23 x 29	29mm x 10T	10	34.5	29.0	23.0	881864002564	881864002600
016	A10 x 28 x 35	1.25" x 10T	10	40.5	35.0	28	881864002565	881864002601
035	24 x 2.5	0.8" x 24T	24	25.5	20.4	18.27	881864002566	881864002602
038	25 x 22	1" x 14T	14	32.5	25.0	22.0	881864002567	881864002603
045	24/48-20-30°	0.875" x 20T	20	28.5	22.58	20.109	881864002568	881864002604
047	24/48-23-30°	1" x 23T	23	32.5	25.994	22.995	881864002569	881864002605
065	32/64-20-30°	17.3mm x 20T	20	24.5	17.305	15.08	881864002570	881864002606
075	25 x 23	25mm x 24T	24	32.5	25.0	23.0	881864002571	881864002607
076	24/48-22-30°		22	30.5	25.189	22.225	881864002572	881864002608
081	20x18°		18	26.5	20.0	18.0	881864002573	881864002609
091	24/48-23-30°		23	32.5	26.25	23.28	881864002574	881864002610
092	23 x 3.14		23	30.5	24.2	21.8	881864002575	881864002611
094	24/48-17-30°	20mm x 17T	17	25.5	19.9	16.92	881864002576	881864002612
522	NA	26mm x 24T	24	32.5	26.0	24.0	881864002577	881864002613
532	24/48-26-30°-5		26	34.5	29.55	26.5	881864002578	881864002614
575	N24T-1-30°	1" x 24T	24	32.5	25.6	23.1	881864002579	881864002615



ZF Code	Spline Basic	Spline Inch	No. of Teeth	Dim. C [mm]	Dim. D [mm]	Dim. E [mm]	M	L
802	25,2-1-30-24		24	32.5	25.2	22.6	881864002580	881864002616
804	26x3.93		26	40.5	35.2	32.6	881864002581	881864002617
808	24/48-25-30°		25	36.5	28.5	25.4	881864002582	881864002618
812	24/48-28-30°		28	34.5	30.5	28.1	881864002583	881864002619
820	22x3.93		22	34.5	29.0	26.5	881864002584	881864002620
823	24/48-26-30°		26	34.5	28.68	23.83	881864002585	881864002621
906	24/48-25-30°		25	34.5	28.04	24.87	881864002586	881864002622
916	24/48-21-37.5°		21	30.5	24.308	21.387	881864002587	881864002623
924	18.65 x 15.7		14	28.5	18.65	15.7	881864002588	881864002624
926	20/40-21-30°		21	34.5	28.5	25.4	881864002589	881864002625
927	24/48-21-30°	0.92" x 21T	21	28.5	23.75	21.19	881864002590	881864002626
931	24/48-26-30°	1.16" x 26T	26	34.5	28.68	26.49	881864002591	881864002627
935	24/48-18-37.5°		18	26.5	21.01	18.22	881864002592	881864002628
938	28 x 2.36		28	28.5	22.1	20.3	881864002593	881864002629
962	21.8 x 1 x 20		20	28.5	21.8	19.12	881864002594	881864002630
980	32/64-26-37.5°		26	28.5	21.91	20.0	881864002595	881864002631

The customer is required to check the chosen configuration and that it can be assembled clash free.

*) All red labelled driven discs are not compatible to be used as the first disc on the gearbox / diaphragm spring side with a release diameter of 38 mm or 44 mm respectively.