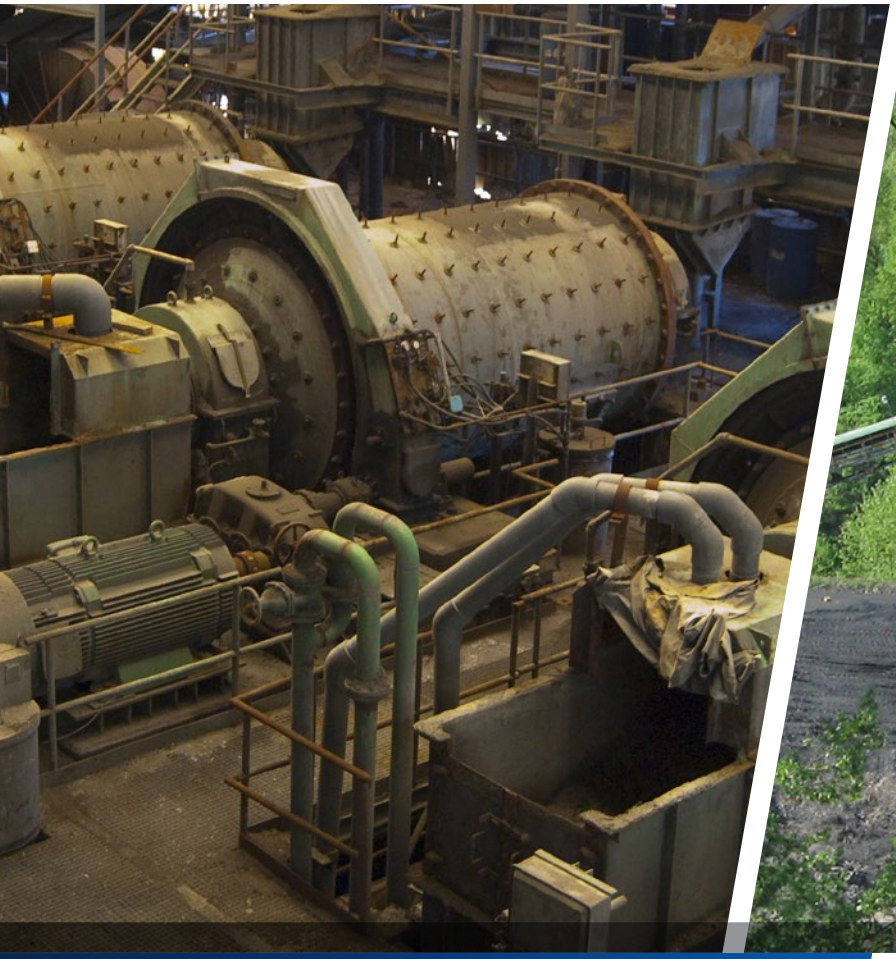
RegalRexnord™

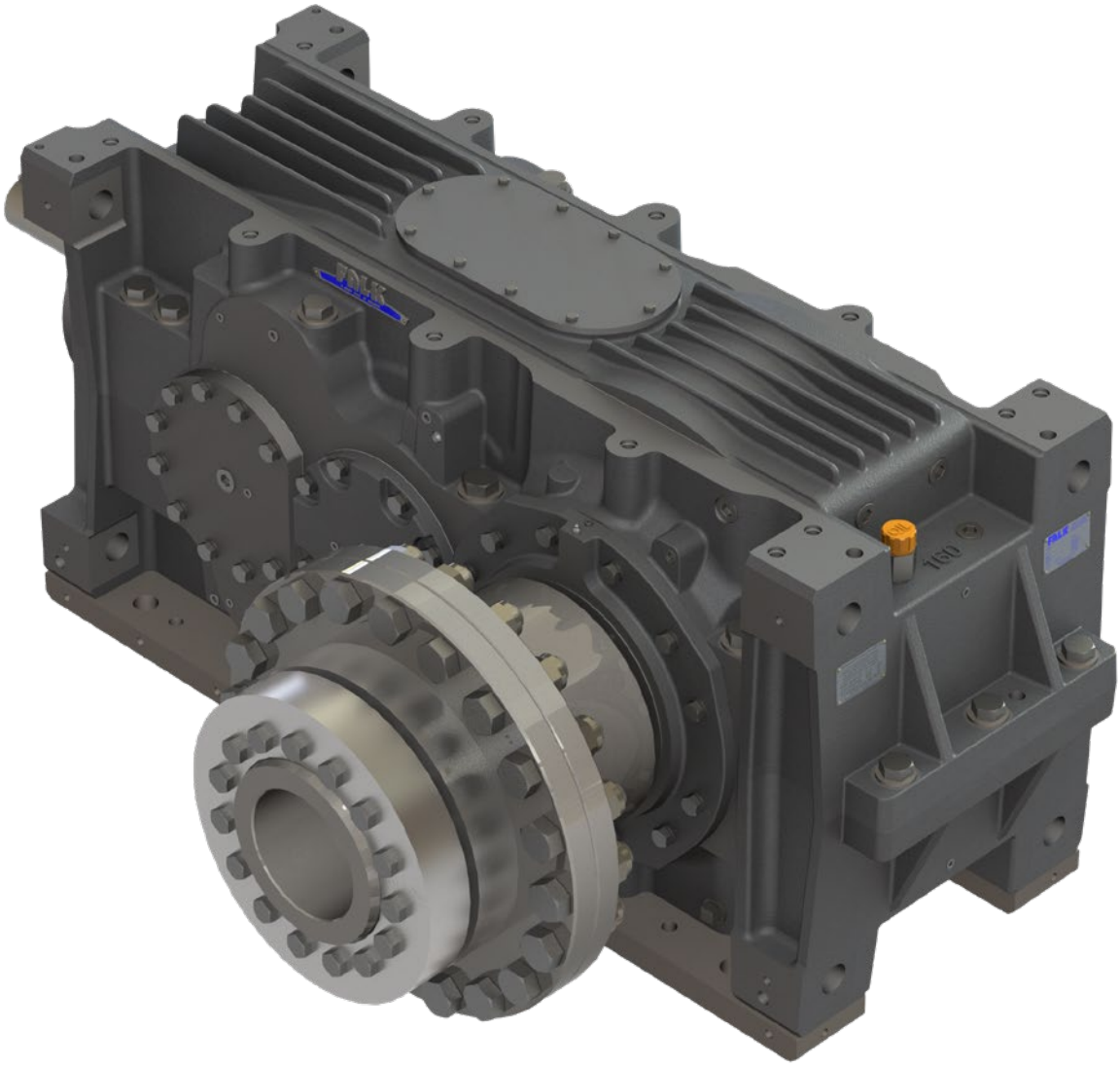


3000 Series MCF Couplings

FALK™

PRODUCT CATALOG

3000 Series MCF Couplings



To learn more about the 3000 Series MCF Couplings,
visit **www.regalrexnord.com**, where you'll find:
Product information • Brochures • Catalogs • Manuals
866-REXNORD/866-739-6673 (toll-free within the U.S.) or +32 1544 3811 (Outside the U.S.)

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General Information

Warnings and Safety Notes

The 3000MCF coupling is a rigid, moment, flange coupling. The 3000MCF coupling is one component part of an engineered system. Multiple variables can influence the loads on the coupling and impact the coupling size required to transmit the loads. In addition to torque loads, the 3000MCF couplings are also subjected to radial loads, bending moments, and axial loads generated by shaft mounted drive systems. The affected gear drive's components (low speed shaft, low speed bearings, torque arm, etc.) must be capable of supporting these loads. This requires analysis and review by a mechanical engineer. This review must be done by Regal Rexnord™ engineering when used on a Regal Rexnord gearbox. When a 3000MCF coupling is used with another brand of gearbox, the customer is responsible for ensuring the gearbox's low speed shaft and bearings are checked and able to support these system loads.

MCF couplings require special procedures for proper selection for each application. Fill out all the information in the application data sheet on pages 17 and 18 and submit to the factory for proper selection. MCF Coupling selections and quotes based upon incomplete information provided by the purchaser are preliminary. Completion of the application data sheets found on pages 17 and 18 is required for proper selection and accurate quoting.

3000MCF Couplings running over 100 RPM require a balanced system as well as proper alignment and installation of the 3000MCF Couplings per the installation and maintenance manual. Regal Rexnord/Falk defers the responsibility of this to the purchaser.

3000MCF with Shrink Disc — 3000MCF couplings with a shrink disc shall not be mounted in combination with a key. 3000MCF couplings with a shrink disc shall not be mounted on shafts with empty keyseats. Any keyseats should be completely filled using a rounded half key. The purchaser shall be responsible for providing these half keys.

Finish Bore — To qualify as an item covered by warranty under Regal Rexnord's standard terms and conditions of sale any 3000MCF couplings supplied as rough stock bores must be finish bored per the shaft tolerances, hub bore diameter tolerances, interference fit tolerances, bore surface finish, key, keyway, runout, countersink, counterbore, and all finish bore requirements as defined in this catalog on pages 5-15 by qualified personnel. The finish bore is critical to the performance and to ensure the safe operation of 3000MCF couplings. For tolerances, fits or any other finish bore requirement outside of those required in this catalog, refer application details to Regal Rexnord engineering for evaluation.

Falk™ Couplings — The Falk name on the coupling is the purchaser's assurance that the coupling was engineered, rated and manufactured to sound design practices.

The power supplied to the coupling must be equal to or less than the power for which the coupling was selected for the application. The customer must assume the responsibility of isolating the coupling from any vibratory or transient load induced by the driven equipment or support structures.

Install and operate Falk products in conformance with applicable local and national safety codes and per Falk installation manuals, which are shipped with gear drives and are also available upon request. Suitable guards for rotating members may be purchased from Falk as optional accessories. Contact your local Falk district office for complete details.

People Conveying Equipment — Selection of Falk couplings for applications whose primary purpose is the transportation of people is not approved. This includes such applications as freight or passenger elevators, escalators, man lift platforms and ski tows and ski lifts.

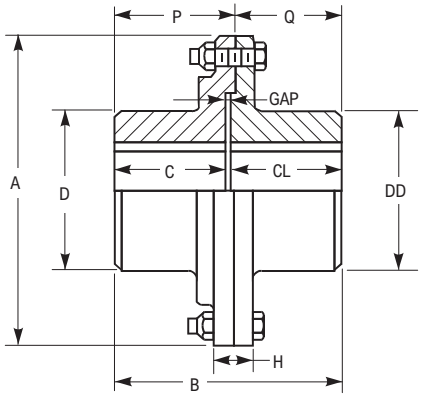
If the primary purpose of the application is material conveyance and occasionally people are transported, the Regal Rexnord warranty may remain in effect provided the design load conditions are not exceeded and certification to the appropriate safety codes and load conditions has been obtained by the system designer or end user from the appropriate enforcement authorities.

Coupling Mechanical Torque Ratings — Coupling mechanical torque ratings stated in this catalog are the maximum transmissible torque that the coupling will transmit **without** axial forces, radial loads, and/or bending moments due to application loads. **When axial forces, radial loads, and/or bending moments are present for an application, the torque rating will be reduced compared to the values in this catalog.**

For non-standard applications, those where excessive overloads, reversing service, mechanical brakes, or oversize prime movers are present, this information must be included with the submitted application data sheet.

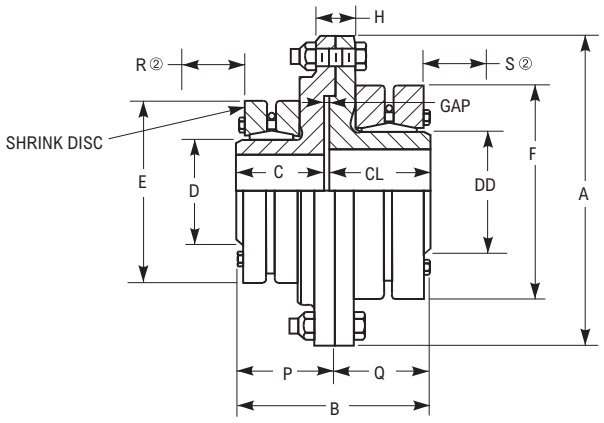
Flange Connection — Dimensions (Inches)

WARNING: Drive system analysis and review must be performed by a mechanical engineer. This review must be done by Regal Rexnord™ engineering when used on a Regal Rexnord gearbox. When a 3000MCF coupling is used with another brand of gearbox, the customer is responsible for ensuring the gearbox's low speed shaft and bearings are checked and able to support these system loads. Improper installation and maintenance of this coupling may result in injury.



DRIVING HUB (Type 2)

DRIVEN HUB (Type 2)



DRIVING HUB WITH SHRINK DISC (Type 4)

DRIVEN HUB WITH SHRINK DISC (Type 4)

Dimensions (in)

Cplg Size ①	Hub Type				Min/Max Bore ③		Cplg Wt ④ (lb)	A	B	C	CL	D	DD	E	F	H	P	Q	R ②	S ②	Gap
	Driving Hub	Type ⑤	Driven Hub	Type ⑤	Driving Hub	Driven Hub															
3030	RSB	2	RSB	2	2.500-5.000	2.500-5.000	128	13.50	6.62	3.25	3.25	8.00	8.00	–	–	1.26	3.56	3.06	–	–	0.12
3035	RSB	2	RSB	2	2.630-5.500	2.630-5.500	170	14.63	7.88	3.88	3.88	8.33	8.33	–	–	1.50	4.19	3.69	–	–	0.12
3040	RSB	2	RSB	2	2.750-6.000	2.750-6.000	275	15.75	10.38	5.13	5.13	9.13	9.13	–	–	2.62	5.75	4.63	–	–	0.12
3045	RSB	2	RSB	2	3.000-7.000	3.000-7.000	490	19.68	14.12	7.00	7.00	10.00	10.00	–	–	2.50	7.62	6.50	–	–	0.12
	RSB	2	175SD	4	3.000-7.000	4.921-5.315	456	19.68	12.74	7.00	5.62	10.00	6.89	–	11.81	2.50	7.62	5.12	–	4.00	0.12
	RSB	2	185SD	4	3.000-7.000	5.315-5.709	500	19.68	13.68	7.00	6.56	10.00	7.28	–	12.99	2.50	7.62	6.06	–	4.00	0.12
	RSB	2	200SD	4	3.000-7.000	5.709-6.102	514	19.68	13.68	7.00	6.56	10.00	7.87	–	13.78	2.50	7.62	6.06	–	4.00	0.12
	175SD	4	RSB	2	4.921-5.315	3.000-7.000	456	19.68	12.74	5.62	7.00	6.89	10.00	11.81	–	2.50	6.24	6.50	4.00	–	0.12
	175SD	4	175SD	4	4.921-5.315	4.921-5.315	421	19.68	11.36	5.62	5.62	6.89	6.89	11.81	11.81	2.50	6.24	5.12	4.00	4.00	0.12
	175SD	4	185SD	4	4.921-5.315	5.315-5.709	465	19.68	12.30	5.62	6.56	6.89	7.28	11.81	12.99	2.50	6.24	6.06	4.00	4.00	0.12
	175SD	4	200SD	4	4.921-5.315	5.709-6.102	479	19.68	12.30	5.62	6.56	6.89	7.87	11.81	13.78	2.50	6.24	6.06	4.00	4.00	0.12
	185SD	4	RSB	2	5.315-5.709	3.000-7.000	500	19.68	13.68	6.56	7.00	7.28	10.00	12.99	–	2.50	7.18	6.50	4.00	–	0.12
	185SD	4	175SD	4	5.315-5.709	4.921-5.315	465	19.68	12.30	6.56	5.62	7.28	6.89	12.99	11.81	2.50	7.18	5.12	4.00	4.00	0.12
	185SD	4	185SD	4	5.315-5.709	5.315-5.709	510	19.68	13.24	6.56	6.56	7.28	7.28	12.99	12.99	2.50	7.18	6.06	4.00	4.00	0.12
	185SD	4	200SD	4	5.315-5.709	5.709-6.102	524	19.68	13.24	6.56	6.56	7.28	7.87	12.99	13.78	2.50	7.18	6.06	4.00	4.00	0.12
3055	RSB	2	RSB	2	3.500-8.000	3.500-8.000	663	21.84	15.56	7.44	8.00	11.50	11.50	–	–	2.50	8.06	7.50	–	–	0.12
	RSB	2	200SD	4	3.500-8.000	5.709-6.102	626	21.84	14.12	7.44	6.56	11.50	7.87	–	13.78	2.50	8.06	6.06	–	4.00	0.12
	RSB	2	220SD	4	3.500-8.000	6.299-6.693	668	21.84	15.00	7.44	7.44	11.50	8.66	–	14.57	2.50	8.06	6.94	–	4.00	0.12
	RSB	2	240SD	4	3.500-8.000	6.693-7.500	728	21.84	15.56	7.44	8.00	11.50	9.45	–	15.94	2.50	8.06	7.50	–	4.50	0.12
	200SD	4	RSB	2	5.709 - 6.102	3.500 - 8.000	637	21.84	14.68	6.56	8.00	7.87	11.50	13.78	-	2.50	7.18	7.50	4.00	-	0.12
	200SD	4	200SD	4	5.709 - 6.102	5.709 - 6.102	603	21.84	13.24	6.56	6.56	7.87	7.87	13.78	13.78	2.50	7.18	6.06	4.00	4.00	0.12
	200SD	4	220SD	4	5.709 - 6.102	6.299 - 6.693	649	21.84	14.12	6.56	7.44	7.87	8.66	13.78	14.57	2.50	7.18	6.94	4.00	4.00	0.12
	200SD	4	240SD	4	5.709 - 6.102	6.693 - 7.500	714	21.84	14.68	6.56	8.00	7.87	9.45	13.78	15.94	2.50	7.18	7.50	4.00	4.50	0.12
	220SD	4	RSB	2	6.299-6.693	3.500-8.000	683	21.84	15.56	7.44	8.00	8.66	11.50	14.57	–	2.50	8.06	7.50	4.00	–	0.12
	220SD	4	200SD	4	6.299-6.693	5.709-6.102	645	21.84	14.12	7.44	6.56	8.66	7.87	14.57	13.78	2.50	8.06	6.06	4.00	4.00	0.12
	220SD	4	220SD	4	6.299-6.693	6.299-6.693	687	21.84	15.00	7.44	7.44	8.66	8.66	14.57	14.57	2.50	8.06	6.94	4.00	4.00	0.12
	220SD	4	240SD	4	6.299-6.693	6.693-7.500	748	21.84	15.56	7.44	8.00	8.66	9.45	14.57	15.94	2.50	8.06	7.50	4.00	4.50	0.12
3060	RSB	2	RSB	2	4.000-9.000	4.000-9.000	928	23.25	17.87	8.75	9.00	13.00	13.00	–	–	3.00	9.37	8.50	–	–	0.12
	RSB	2	220SD	4	4.000-9.000	6.299-6.693	860	23.25	16.56	8.75	7.69	13.00	8.66	–	14.57	3.00	9.37	7.19	–	4.00	0.12
	RSB	2	240SD	4	4.000-9.000	6.693-7.500	920	23.25	17.06	8.75	8.19	13.00	9.45	–	15.94	3.00	9.37	7.69	–	4.50	0.12
	RSB	2	260SD	4	4.000-9.000	7.480-8.268	959	23.25	17.87	8.75	9.00	13.00	10.23	–	16.93	3.00	9.37	8.50	–	4.50	0.12
	220SD	4	RSB	2	6.299 - 6.693	4.000 - 9.000	867	23.25	16.81	7.69	9.00	8.66	13.00	14.57	-	3.00	8.31	8.50	4.00	-	0.12
	220SD	4	220SD	4	6.299 - 6.693	6.299 - 6.693	807	23.25	15.50	7.69	7.69	8.66	8.66	14.57	14.57	3.00	8.31	7.19	4.00	4.00	0.12
	220SD	4	240SD	4	6.299 - 6.693	6.693 - 7.500	872	23.25	16.00	7.69	8.19	8.66	9.45	14.57	15.94	3.00	8.31	7.69	4.00	4.50	0.12
	220SD	4	260SD	4	6.299 - 6.693	7.480 - 8.268	914	23.25	16.81	7.69	9.00	8.66	10.23	14.57	16.93	3.00	8.31	8.50	4.00	4.50	0.12
	240SD	4	RSB	2	6.693-7.500	4.000-9.000	928	23.25	17.31	8.19	9.00	9.45	13.00	15.94	–	3.00	8.81	8.50	4.50	–	0.12
	240SD	4	220SD	4	6.693-7.500	6.299-6.693	860	23.25	16.00	8.19	7.69	9.45	8.66	15.94	14.57	3.00	8.81	7.19	4.50	4.00	0.12
	240SD	4	240SD	4	6.693-7.500	6.693-7.500	920	23.25	16.50	8.19	8.19	9.45	9.45	15.94	15.94	3.00	8.81	7.69	4.50	4.50	0.12
	240SD	4	260SD	4	6.693-7.500	7.480-8.268	959	23.25	17.31	8.19	9.00	9.45	10.23	15.94	16.93	3.00	8.81	8.50	4.50	4.50	0.12

continued

① Dimensions are for reference only and are subject to change without notice unless certified.

② Distance required for typical torque wrench and socket clearance to tighten the shrink disc fasteners.

③ Driven shaft tolerance is expected to be: +0.0000/-0.0005 inches for inch shafts under 3 inches, +0.000/-0.001 inches for inch shafts 3 inches and over, or m6 for metric shafts.

④ Coupling weights are for hubs with no bore and include shrink disc(s).

⑤ Type 2 hub is straight bored without shrink disc. Type 4 hub is straight bored with shrink disc.

Flange Connection — Dimensions (Inches)

WARNING: Drive system analysis and review must be performed by a mechanical engineer. This review must be done by Regal Rexnord™ engineering when used on a Regal Rexnord gearbox. When a 3000MCF coupling is used with another brand of gearbox, the customer is responsible for ensuring the gearbox's low speed shaft and bearings are checked and able to support these system loads. Improper installation and maintenance of this coupling may result in injury.

Dimensions (in) *continued*

Cplg Size ①	Hub Type				Min/Max Bore ③		Cplg Wt ④ (lb)	A	B	C	CL	D	DD	E	F	H	P	Q	R ②	S ②	Gap
	Driving Hub	Type ⑤	Driven Hub	Type ⑤	Driving Hub	Driven Hub															
3065	RSB	2	RSB	2	5.000-10.000	5.000-10.000	1165	24.50	20.12	10.00	10.00	14.00	14.00	–	-	3.50	10.62	9.50	–	–	0.12
	RSB	2	240SD	4	5.000-10.000	6.693-7.500	1100	24.50	18.56	10.00	8.44	14.00	14.00	–	15.94	3.50	10.62	7.94	–	4.50	0.12
	RSB	2	260SD	4	5.000-10.000	7.480-8.268	1137	24.50	19.18	10.00	9.06	14.00	14.00	–	16.93	3.50	10.62	8.56	–	4.50	0.12
	RSB	2	280SD	4	5.000-10.000	8.268-9.055	1206	24.50	19.65	10.00	9.53	14.00	14.00	–	18.11	3.50	10.62	9.03	–	4.50	0.12
	RSB	2	300SD	4	5.000-10.000	9.055-9.646	1241	24.50	19.81	10.00	9.69	14.00	14.00	–	19.09	3.50	10.62	9.19	–	4.50	0.12
	240SD	4	RSB	2	6.693 - 7.500	5.000 - 10.000	1102	24.50	18.56	8.44	10.00	9.45	14.00	15.94	-	3.50	9.06	9.50	4.50	-	0.12
	240SD	4	240SD	4	6.693 - 7.500	6.693 - 7.500	1052	24.50	17.00	8.44	8.44	9.45	9.45	15.94	15.94	3.50	9.06	7.94	4.50	4.50	0.12
	240SD	4	260SD	4	6.693 - 7.500	7.480 - 8.268	1092	24.50	17.62	8.44	9.06	9.45	10.23	15.94	16.93	3.50	9.06	8.56	4.50	4.50	0.12
	240SD	4	280SD	4	6.693 - 7.500	8.268 - 9.055	1149	24.50	18.09	8.44	9.53	9.45	11.02	15.94	18.11	3.50	9.06	9.03	4.50	4.50	0.12
	240SD	4	300SD	4	6.693 - 7.500	9.055 - 9.646	1185	24.50	18.25	8.44	9.69	9.45	11.81	15.94	19.09	3.50	9.06	9.19	4.50	4.50	0.12
	260SD	4	RSB	2	7.480-8.268	5.000-10.000	1137	24.50	19.18	9.06	10.00	10.23	14.00	16.93	–	3.50	9.68	9.50	4.50	–	0.12
	260SD	4	240SD	4	7.480-8.268	6.693-7.500	1072	24.50	17.62	9.06	8.44	10.23	9.45	16.93	15.94	3.50	9.68	7.94	4.50	4.50	0.12
	260SD	4	260SD	4	7.480-8.268	7.480-8.268	1109	24.50	18.24	9.06	9.06	10.23	10.23	16.93	16.93	3.50	9.68	8.56	4.50	4.50	0.12
	260SD	4	280SD	4	7.480-8.268	8.268-9.055	1178	24.50	18.71	9.06	9.53	10.23	11.02	16.93	18.11	3.50	9.68	9.03	4.50	4.50	0.12
	260SD	4	300SD	4	7.480-8.268	9.055-9.646	1213	24.50	18.87	9.06	9.69	10.23	11.81	16.93	19.09	3.50	9.68	9.19	4.50	4.50	0.12
3075	RSB	2	RSB	2	6.000-11.500	6.000-11.500	1704	27.50	23.12	11.50	11.50	16.00	16.00	–	–	4.00	12.12	11.00	–	–	0.12
	RSB	2	280SD	4	6.000-11.500	8.268-9.055	1600	27.50	21.40	11.50	9.78	16.00	11.02	–	18.11	4.00	12.12	9.28	–	4.50	0.12
	RSB	2	300SD	4	6.000-11.500	9.055-9.646	1618	27.50	21.56	11.50	9.94	16.00	11.81	–	19.09	4.00	12.12	9.44	–	4.50	0.12
	RSB	2	320SD	4	6.000-11.500	9.449-10.250	1714	27.50	21.87	11.50	10.25	16.00	12.60	–	20.47	4.00	12.12	9.75	–	4.50	0.12
	280SD	4	RSB	2	8.268-9.055	6.000-11.500	1600	27.50	21.44	9.82	11.50	11.02	16.00	18.11	–	4.00	10.44	11.00	4.50	–	0.12
	280SD	4	280SD	4	8.268-9.055	8.268-9.055	1496	27.50	19.72	9.82	9.78	11.02	11.02	18.11	18.11	4.00	10.44	9.28	4.50	4.50	0.12
	280SD	4	300SD	4	8.268-9.055	9.055-9.646	1515	27.50	19.88	9.82	9.94	11.02	11.81	18.11	19.09	4.00	10.44	9.44	4.50	4.50	0.12
	280SD	4	320SD	4	8.268-9.055	9.449-10.250	1610	27.50	20.19	9.82	10.25	11.02	12.60	18.11	20.47	4.00	10.44	9.75	4.50	4.50	0.12
3080	RSB	2	RSB	2	7.500-12.500	7.500-12.500	2198	30.00	25.12	12.50	12.50	17.50	17.50	–	–	5.00	13.12	12.00	–	–	0.12
	RSB	2	300SD	4	7.500-12.500	9.055-9.646	2032	30.00	23.06	12.50	10.44	17.50	11.81	–	19.09	5.00	13.12	9.94	–	4.50	0.12
	RSB	2	320SD	4	7.500-12.500	9.449-10.250	2127	30.00	23.37	12.50	10.75	17.50	12.60	–	20.47	5.00	13.12	10.25	–	4.50	0.12
	RSB	2	340SD	4	7.500-12.500	9.843-10.630	2307	30.00	24.12	12.50	11.50	17.50	13.38	–	22.44	5.00	13.12	11.00	–	5.38	0.12
	300SD	4	RSB	2	9.055-9.646	7.500-12.500	2059	30.00	23.06	10.44	12.50	11.81	17.50	19.09	–	5.00	11.06	12.00	4.50	–	0.12
	300SD	4	300SD	4	9.055-9.646	9.055-9.646	1893	30.00	21.00	10.44	10.44	11.81	11.81	19.09	19.09	5.00	11.06	9.94	4.50	4.50	0.12
	300SD	4	320SD	4	9.055-9.646	9.449-10.250	1988	30.00	21.31	10.44	10.75	11.81	12.60	19.09	20.47	5.00	11.06	10.25	4.50	4.50	0.12
	300SD	4	340SD	4	9.055-9.646	9.843-10.630	2168	30.00	22.06	10.44	11.50	11.81	13.38	19.09	22.44	5.00	11.06	11.00	4.50	5.38	0.12
3090	RSB	2	RSB	2	8.500-14.000	8.500-14.000	3657	35.00	28.12	14.00	14.00	22.00	22.00	–	–	5.50	14.62	13.50	–	–	0.12
	RSB	2	340SD	4	8.500-14.000	9.843-10.630	3305	35.00	25.87	14.00	11.75	22.00	13.38	–	22.44	5.50	14.62	11.25	–	5.38	0.12
	RSB	2	360SD	4	8.500-14.000	10.750-11.614	3334	35.00	26.01	14.00	11.89	22.00	14.17	–	23.23	5.50	14.62	11.39	–	5.38	0.12
	RSB	2	380SD	4	8.500-14.000	11.417-12.205	3465	35.00	26.01	14.00	11.89	22.00	14.96	–	25.39	5.50	14.62	11.39	–	5.38	0.12
	RSB	2	400SD	4	8.500-14.000	12.205-13.000	3578	35.00	26.33	14.00	12.21	22.00	15.75	–	26.77	5.50	14.62	11.71	–	5.38	0.12
	340SD	4	RSB	2	9.843-10.630	8.500-14.000	3306	35.00	25.87	11.75	14.00	13.38	22.00	22.44	–	5.50	12.37	13.50	5.38	–	0.12
	340SD	4	340SD	4	9.843-10.630	9.843-10.630	2954	35.00	23.62	11.75	11.75	13.38	13.38	22.44	22.44	5.50	12.37	11.25	5.38	5.38	0.12
	340SD	4	360SD	4	9.843-10.630	10.750-11.614	2983	35.00	23.76	11.75	11.89	13.38	14.17	22.44	23.23	5.50	12.37	11.39	5.38	5.38	0.12
	340SD	4	380SD	4	9.843-10.630	11.417-12.205	3114	35.00	23.76	11.75	11.89	13.38	14.96	22.44	25.39	5.50	12.37	11.39	5.38	5.38	0.12
	340SD	4	400SD	4	9.843-10.630	12.205-13.000	3227	35.00	24.08	11.75	12.21	13.38	15.75	22.44	26.77	5.50	12.37	11.71	5.38	5.38	0.12
3095	RSB	2	RSB	2	9.000-15.000	9.000-15.000	4692	38.00	30.12	15.00	15.00	24.00	24.00	–	–	6.00	15.62	14.50	–	–	0.12
	RSB	2	340SD	4	9.000-15.000	9.843-10.630	4058	38.00	27.26	15.00	12.14	24.00	13.38	–	22.44	6.00	15.62	11.64	–	5.38	0.12
	RSB	2	360SD	4	9.000-15.000	10.750-11.614	4057	38.00	27.26	15.00	12.14	24.00	14.17	–	23.23	6.00	15.62	11.64	–	5.38	0.12
	RSB	2	380SD	4	9.000-15.000	11.417-12.205	4210	38.00	27.26	15.00	12.14	24.00	14.96	–	25.39	6.00	15.62	11.64	–	5.38	0.12
	RSB	2	400SD	4	9.000-15.000	12.405-13.000	4308	38.00	27.58	15.00	12.46	24.00	15.75	–	26.77	6.00	15.62	11.96	–	5.38	0.12
	RSB	2	420SD	4	9.000-15.000	12.992-13.780	4449	38.00	28.60	15.00	13.48	24.00	16.54	–	27.17	6.00	15.62	12.98	–	5.38	0.12
	340SD	4	RSB	2	9.843-10.630	9.000-15.000	4055	38.00	27.12	12.00	15.00	13.38	24.00	22.44	–	6.00	12.62	14.50	5.38	–	0.12
	340SD	4	340SD	4	9.843-10.630	9.843-10.630	3422	38.00	24.26	12.00	12.14	13.38	13.38	22.44	22.44	6.00	12.62	11.64	5.38	5.38	0.12
	340SD	4	360SD	4	9.843-10.630	10.750-11.614	3421	38.00	24.26	12.00	12.14	13.38	14.17	22.44	23.23	6.00	12.62	11.64	5.38	5.38	0.12
	340SD	4	380SD	4	9.843-10.630	11.417-12.205	3574	38.00	24.26	12.00	12.14	13.38	14.96	22.44	25.39	6.00	12.62	11.64	5.38	5.38	0.12
	340SD	4	400SD	4	9.843-10.630	12.405-13.000	3672	38.00	24.58	12.00	12.46	13.38	15.75	22.44	26.77	6.00	12.62	11.96	5.38	5.38	0.12
	340SD	4	420SD	4	9.843-10.630	12.992-13.780	3813	38.00	25.60	12.00	13.48	13.38	16.54	22.44	27.17	6.00	12.62	12.98	5.38	5.38	0.12

① Dimensions are for reference only and are subject to change without notice unless certified.

② Distance required for typical torque wrench and socket clearance to tighten the shrink disc fasteners.

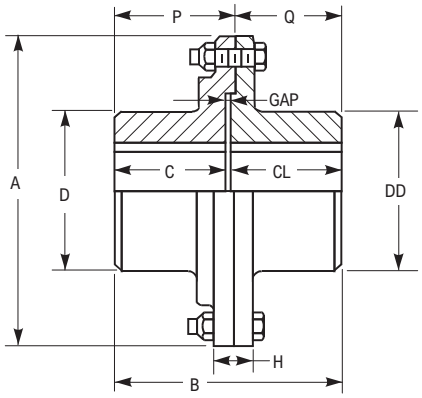
③ Driven shaft tolerance is expected to be: +0.0000/-0.0005 inches for inch shafts under 3 inches, +0.000/-0.001 inches for inch shafts 3 inches and over, or m6 for metric shafts.

④ Coupling weights are for hubs with no bore and include shrink disc(s).

⑤ Type 2 hub is straight bored without shrink disc. Type 4 hub is straight bored with shrink disc.

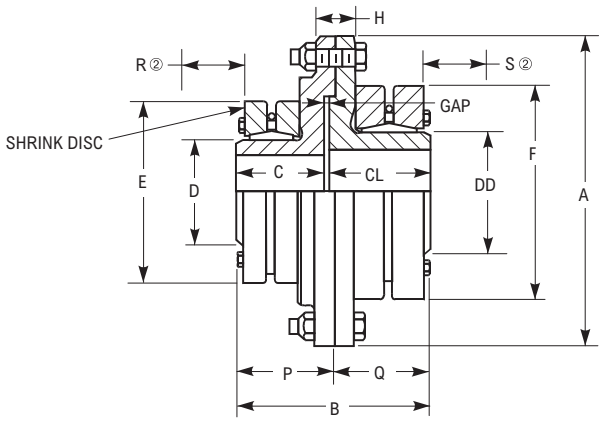
Flange Connection — Dimensions (Metric)

WARNING: Drive system analysis and review must be performed by a mechanical engineer. This review must be done by Regal Rexnord™ engineering when used on a Regal Rexnord gearbox. When a 3000MCF coupling is used with another brand of gearbox, the customer is responsible for ensuring the gearbox's low speed shaft and bearings are checked and able to support these system loads. Improper installation and maintenance of this coupling may result in injury.



DRIVING HUB
(Type 2)

DRIVEN HUB
(Type 2)



DRIVING HUB
WITH SHRINK DISC
(Type 4)

DRIVEN HUB
WITH SHRINK DISC
(Type 4)

Dimensions (mm)

Cplg Size ①	Hub Type				Min/Max Bore ③		Cplg Wt ④ (kg)	A	B	C	CL	D	DD	E	F	H	P	Q	R ②	S ②	Gap
	Driving Hub	Type ⑤	Driven Hub	Type ⑤	Driving Hub	Driven Hub															
3030	RSB	2	RSB	2	63.50-127.00	63.50-127.00	58.1	342.9	168.1	82.6	82.6	203.2	203.2	–	–	32.0	90.4	77.7	–	–	3.0
3035	RSB	2	RSB	2	66.80-139.70	66.80-139.70	77.1	371.6	200.2	98.6	98.6	211.6	211.6	–	–	38.1	106.4	93.7	–	–	3.0
3040	RSB	2	RSB	2	69.85-152.40	69.85-152.40	125	400.1	263.7	130.3	130.3	231.9	231.9	–	–	66.5	146.1	117.6	–	–	3.0
3045	RSB	2	RSB	2	76.20-177.80	76.20-177.80	222	499.9	358.6	177.8	177.8	254.0	254.0	–	–	63.5	193.5	165.1	–	–	3.0
	RSB	2	175SD	4	76.20-177.80	125.00-135.00	207	499.9	323.6	177.8	142.7	254.0	175.0	–	300	63.5	193.5	130.0	–	102	3.0
	RSB	2	185SD	4	76.20-177.80	135.00-145.00	227	499.9	347.5	177.8	166.6	254.0	184.9	–	330	63.5	193.5	153.9	–	102	3.0
	RSB	2	200SD	4	76.20-177.80	145.00-155.00	233	499.9	347.5	177.8	166.6	254.0	199.9	–	350	63.5	193.5	153.9	–	102	3.0
	175SD	4	RSB	2	125.00-135.00	76.20-177.80	207	499.9	323.6	142.7	177.8	175.0	254.0	300	–	63.5	158.5	165.1	102	–	3.0
	175SD	4	175SD	4	125.00-135.00	125.00-135.00	191	499.9	288.5	142.7	142.7	175.0	175.0	300	300	63.5	158.5	130.0	102	102	3.0
	175SD	4	185SD	4	125.00-135.00	135.00-145.00	211	499.9	312.4	142.7	166.6	175.0	184.9	300	330	63.5	158.5	153.9	102	102	3.0
	175SD	4	200SD	4	125.00-135.00	145.00-155.00	217	499.9	312.4	142.7	166.6	175.0	199.9	300	350	63.5	158.5	153.9	102	102	3.0
	185SD	4	RSB	2	135.00-145.00	76.20-177.80	227	499.9	347.5	166.6	177.8	184.9	254.0	330	–	63.5	182.4	165.1	102	–	3.0
	185SD	4	175SD	4	135.00-145.00	125.00-135.00	211	499.9	312.4	166.6	142.7	184.9	175.0	330	300	63.5	182.4	130.0	102	102	3.0
	185SD	4	185SD	4	135.00-145.00	135.00-145.00	231	499.9	336.3	166.6	166.6	184.9	184.9	330	330	63.5	182.4	153.9	102	102	3.0
	185SD	4	200SD	4	135.00-145.00	145.00-155.00	238	499.9	336.3	166.6	166.6	184.9	199.9	330	350	63.5	182.4	153.9	102	102	3.0
3055	RSB	2	RSB	2	88.90-203.20	88.90-203.20	301	554.7	395.2	189.0	203.2	292.1	292.1	–	–	63.5	204.7	190.5	–	–	3.0
	RSB	2	200SD	4	88.90-203.20	145.00-155.00	284	554.7	358.6	189.0	166.6	292.1	199.9	–	350	63.5	204.7	153.9	–	102	3.0
	RSB	2	220SD	4	88.90-203.20	160.00-170.00	303	554.7	381.0	189.0	189.0	292.1	220.0	–	370	63.5	204.7	176.3	–	102	3.0
	RSB	2	240SD	4	88.90-203.20	170.00-190.50	330	554.7	395.2	189.0	203.2	292.1	240.0	–	405	63.5	204.7	190.5	–	114	3.0
	200SD	4	RSB	2	145.00 - 155.00	88.90 - 203.20	289	554.7	372.9	166.6	203.2	199.9	292.1	350.0	-	63.5	182.4	190.5	101.6	-	3.0
	200SD	4	200SD	4	145.00 - 155.00	145.00 - 155.00	274	554.7	336.3	166.6	166.6	199.9	199.9	350.0	350.0	63.5	182.4	153.9	101.6	101.6	3.0
	200SD	4	220SD	4	145.00 - 155.00	160.00 - 170.00	294	554.7	358.6	166.6	189.0	199.9	220.0	350.0	370.1	63.5	182.4	176.3	101.6	101.6	3.0
	200SD	4	240SD	4	145.00 - 155.00	170.00 - 190.50	324	554.7	372.9	166.6	203.2	199.9	240.0	350.0	404.9	63.5	182.4	190.5	101.6	114.3	3.0
	220SD	4	RSB	2	160.00-170.00	88.90-203.20	310	554.7	395.2	189.0	203.2	220.0	292.1	370	–	63.5	204.7	190.5	102	–	3.0
	220SD	4	200SD	4	160.00-170.00	145.00-155.00	293	554.7	358.6	189.0	166.6	220.0	199.9	370	350	63.5	204.7	153.9	102	102	3.0
	220SD	4	220SD	4	160.00-170.00	160.00-170.00	312	554.7	381.0	189.0	189.0	220.0	220.0	370	370	63.5	204.7	176.3	102	102	3.0
	220SD	4	240SD	4	160.00-170.00	170.00-190.50	339	554.7	395.2	189.0	203.2	220.0	240.0	370	405	63.5	204.7	190.5	102	114	3.0
3060	RSB	2	RSB	2	101.60-228.60	101.60-228.60	421	590.6	453.9	222.3	228.6	330.2	330.2	–	–	76.2	238.0	215.9	–	–	3.0
	RSB	2	220SD	4	101.60-228.60	160.00-170.00	390	590.6	420.6	222.3	195.3	330.2	220.0	–	370	76.2	238.0	182.6	–	102	3.0
	RSB	2	240SD	4	101.60-228.60	170.00-190.50	417	590.6	433.3	222.3	208.0	330.2	240.0	–	405	76.2	238.0	195.3	–	114	3.0
	RSB	2	260SD	4	101.60-228.60	190.00-210.00	435	590.6	453.9	222.3	228.6	330.2	259.8	–	430	76.2	238.0	215.9	–	114	3.0
	220SD	4	RSB	2	160.00 - 170.00	101.60 - 228.60	393	590.6	427.0	195.3	228.6	220.0	330.2	370.1	-	76.2	211.1	215.9	101.6	-	3.0
	220SD	4	220SD	4	160.00 - 170.00	160.00 - 170.00	366	590.6	393.7	195.3	195.3	220.0	220.0	370.1	370.1	76.2	211.1	182.6	101.6	101.6	3.0
	220SD	4	240SD	4	160.00 - 170.00	170.00 - 190.50	396	590.6	406.4	195.3	208.0	220.0	240.0	370.1	404.9	76.2	211.1	195.3	101.6	114.3	3.0
	220SD	4	260SD	4	160.00 - 170.00	190.00 - 210.00	415	590.6	427.0	195.3	228.6	220.0	259.8	370.1	430.0	76.2	211.1	215.9	101.6	114.3	3.0
	240SD	4	RSB	2	170.00-190.50	101.60-228.60	421	590.6	439.7	208.0	228.6	240.0	330.2	405	–	76.2	223.8	215.9	114	–	3.0
	240SD	4	220SD	4	170.00-190.50	160.00-170.00	390	590.6	406.4	208.0	195.3	240.0	220.0	405	370	76.2	223.8	182.6	114	102	3.0
	240SD	4	240SD	4	170.00-190.50	170.00-190.50	417	590.6	419.1	208.0	208.0	240.0	240.0	405	405	76.2	223.8	195.3	114	114	3.0
	240SD	4	260SD	4	170.00-190.50	190.00-210.00	435	590.6	439.7	208.0	228.6	240.0	259.8	405	430	76.2	223.8	215.9	114	114	3.0

continued

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② Distance required for typical torque wrench and socket clearance to tighten the shrink disc fasteners.

③ Driven shaft tolerance is expected to be: +0.0000/-0.0005 inches for inch shafts under 3 inches, +0.000/-0.001 inches for inch shafts 3 inches and over, or m6 for metric shafts.

④ Coupling weights are for hubs with no bore and include shrink disc(s).

⑤ Type 2 hub is straight bored without shrink disc. Type 4 hub is straight bored with shrink disc.

Flange Connection — Dimensions (Metric)

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Dimensions (mm) *continued*

Cplg Size ①	Hub Type				Min/Max Bore ③		Cplg Wt ④ (kg)	A	B	C	CL	D	DD	E	F	H	P	Q	R ②	S ②	Gap
	Driving Hub	Type ⑤	Driven Hub	Type ⑤	Driving Hub	Driven Hub															
3065	RSB	2	RSB	2	127.00-254.00	127.00-254.00	528	622.3	511.0	254.0	254.0	355.6	355.6	–	–	88.9	269.7	241.3	–	–	3.0
	RSB	2	240SD	4	127.00-254.00	170.00-190.50	499	622.3	471.4	254.0	214.4	355.6	355.6	–	405	88.9	269.7	201.7	–	114	3.0
	RSB	2	260SD	4	127.00-254.00	190.00-210.00	516	622.3	487.2	254.0	230.1	355.6	355.6	–	430	88.9	269.7	217.4	–	114	3.0
	RSB	2	280SD	4	127.00-254.00	210.00-230.00	547	622.3	499.1	254.0	242.1	355.6	355.6	–	460	88.9	269.7	229.4	–	114	3.0
	RSB	2	300SD	4	127.00-254.00	230.00-245.00	563	622.3	503.2	254.0	246.1	355.6	355.6	–	485	88.9	269.7	233.4	–	114	3.0
	240SD	4	RSB	2	170.00 - 190.50	127.00 - 254.00	500	622.3	471.4	214.4	254.0	240.0	355.6	404.9	-	88.9	230.1	241.3	114.3	-	3.0
	240SD	4	240SD	4	170.00 - 190.50	170.00 - 190.50	477	622.3	431.8	214.4	214.4	240.0	240.0	404.9	404.9	88.9	230.1	201.7	114.3	114.3	3.0
	240SD	4	260SD	4	170.00 - 190.50	190.00 - 210.00	495	622.3	447.5	214.4	230.1	240.0	259.8	404.9	430.0	88.9	230.1	217.4	114.3	114.3	3.0
	240SD	4	280SD	4	170.00 - 190.50	210.00 - 230.00	521	622.3	459.5	214.4	242.1	240.0	279.9	404.9	460.0	88.9	230.1	229.4	114.3	114.3	3.0
	240SD	4	300SD	4	170.00 - 190.50	230.00 - 245.00	538	622.3	463.6	214.4	246.1	240.0	300.0	404.9	484.9	88.9	230.1	233.4	114.3	114.3	3.0
	260SD	4	RSB	2	190.00-210.00	127.00-254.00	516	622.3	487.2	230.1	254.0	259.8	355.6	430	–	88.9	245.9	241.3	114	–	3.0
	260SD	4	240SD	4	190.00-210.00	170.00-190.50	486	622.3	447.5	230.1	214.4	259.8	240.0	430	405	88.9	245.9	201.7	114	114	3.0
	260SD	4	260SD	4	190.00-210.00	190.00-210.00	503	622.3	463.3	230.1	230.1	259.8	259.8	430	430	88.9	245.9	217.4	114	114	3.0
	260SD	4	280SD	4	190.00-210.00	210.00-230.00	534	622.3	475.2	230.1	242.1	259.8	279.9	430	460	88.9	245.9	229.4	114	114	3.0
	260SD	4	300SD	4	190.00-210.00	230.00-245.00	550	622.3	479.3	230.1	246.1	259.8	300.0	430	485	88.9	245.9	233.4	114	114	3.0
3075	RSB	2	RSB	2	152.40-292.10	152.40-292.10	773	698.5	587.2	292.1	292.1	406.4	406.4	–	–	101.6	307.8	279.4	–	–	3.0
	RSB	2	280SD	4	152.40-292.10	210.00-230.00	726	698.5	543.6	292.1	248.4	406.4	279.9	–	460	101.6	307.8	235.7	–	114	3.0
	RSB	2	300SD	4	152.40-292.10	230.00-245.00	734	698.5	547.6	292.1	252.5	406.4	300.0	–	485	101.6	307.8	239.8	–	114	3.0
	RSB	2	320SD	4	152.40-292.10	240.00-260.35	777	698.5	555.5	292.1	260.4	406.4	320.0	–	520	101.6	307.8	247.7	–	114	3.0
	280SD	4	RSB	2	210.00-230.00	152.40-292.10	726	698.5	544.6	249.4	292.1	279.9	406.4	460	–	101.6	265.2	279.4	114	–	3.0
	280SD	4	280SD	4	210.00-230.00	210.00-230.00	679	698.5	500.9	249.4	248.4	279.9	279.9	460	460	101.6	265.2	235.7	114	114	3.0
	280SD	4	300SD	4	210.00-230.00	230.00-245.00	687	698.5	505.0	249.4	252.5	279.9	300.0	460	485	101.6	265.2	239.8	114	114	3.0
	280SD	4	320SD	4	210.00-230.00	240.00-260.35	730	698.5	512.8	249.4	260.4	279.9	320.0	460	520	101.6	265.2	247.7	114	114	3.0
3080	RSB	2	RSB	2	190.50-317.50	190.50-317.50	997	762.0	638.0	317.5	317.5	444.5	444.5	–	–	127.0	333.2	304.8	–	–	3.0
	RSB	2	300SD	4	190.50-317.50	230.00-245.00	922	762.0	585.7	317.5	265.2	444.5	300.0	–	485	127.0	333.2	252.5	–	114	3.0
	RSB	2	320SD	4	190.50-317.50	240.00-260.35	965	762.0	593.6	317.5	273.1	444.5	320.0	–	520	127.0	333.2	260.4	–	114	3.0
	RSB	2	340SD	4	190.50-317.50	250.00-270.00	1046	762.0	612.6	317.5	292.1	444.5	339.9	–	570	127.0	333.2	279.4	–	137	3.0
	300SD	4	RSB	2	230.00-245.00	190.50-317.50	934	762.0	585.7	265.2	317.5	300.0	444.5	485	–	127.0	280.9	304.8	114	–	3.0
	300SD	4	300SD	4	230.00-245.00	230.00-245.00	859	762.0	533.4	265.2	265.2	300.0	300.0	485	485	127.0	280.9	252.5	114	114	3.0
	300SD	4	320SD	4	230.00-245.00	240.00-260.35	902	762.0	541.3	265.2	273.1	300.0	320.0	485	520	127.0	280.9	260.4	114	114	3.0
	300SD	4	340SD	4	230.00-245.00	250.00-270.00	983	762.0	560.3	265.2	292.1	300.0	339.9	485	570	127.0	280.9	279.4	114	137	3.0
3090	RSB	2	RSB	2	215.90-355.60	215.90-355.60	1659	889.0	714.2	355.6	355.6	558.8	558.8	–	–	139.7	371.3	342.9	–	–	3.0
	RSB	2	340SD	4	215.90-355.60	250.00-270.00	1499	889.0	657.1	355.6	298.5	558.8	339.9	–	570	139.7	371.3	285.8	–	137	3.0
	RSB	2	360SD	4	215.90-355.60	273.05-295.00	1512	889.0	660.7	355.6	302.0	558.8	359.9	–	590	139.7	371.3	289.3	–	137	3.0
	RSB	2	380SD	4	215.90-355.60	290.00-310.00	1572	889.0	660.7	355.6	302.0	558.8	380.0	–	645	139.7	371.3	289.3	–	137	3.0
	RSB	2	400SD	4	215.90-355.60	310.00-330.20	1623	889.0	668.8	355.6	310.1	558.8	400.1	–	680	139.7	371.3	297.4	–	137	3.0
	340SD	4	RSB	2	250.00-270.00	215.90-355.60	1500	889.0	657.1	298.5	355.6	339.9	558.8	570	–	139.7	314.2	342.9	137	–	3.0
	340SD	4	340SD	4	250.00-270.00	250.00-270.00	1340	889.0	599.9	298.5	298.5	339.9	339.9	570	570	139.7	314.2	285.8	137	137	3.0
	340SD	4	360SD	4	250.00-270.00	273.05-295.00	1353	889.0	603.5	298.5	302.0	339.9	359.9	570	590	139.7	314.2	289.3	137	137	3.0
	340SD	4	380SD	4	250.00-270.00	290.00-310.00	1412	889.0	603.5	298.5	302.0	339.9	380.0	570	645	139.7	314.2	289.3	137	137	3.0
	340SD	4	400SD	4	250.00-270.00	310.00-330.20	1464	889.0	611.6	298.5	310.1	339.9	400.1	570	680	139.7	314.2	297.4	137	137	3.0
3095	RSB	2	RSB	2	228.60-381.00	228.60-381.00	2128	965.2	765.0	381.0	381.0	609.6	609.6	–	–	152.4	396.7	368.3	–	–	3.0
	RSB	2	340SD	4	228.60-381.00	250.00-270.00	1841	965.2	692.4	381.0	308.4	609.6	339.9	–	570	152.4	396.7	295.7	–	137	3.0
	RSB	2	360SD	4	228.60-381.00	273.05-295.00	1840	965.2	692.4	381.0	308.4	609.6	359.9	–	590	152.4	396.7	295.7	–	137	3.0
	RSB	2	380SD	4	228.60-381.00	290.00-310.00	1910	965.2	692.4	381.0	308.4	609.6	380.0	–	645	152.4	396.7	295.7	–	137	3.0
	RSB	2	400SD	4	228.60-381.00	315.09-330.20	1954	965.2	700.5	381.0	316.5	609.6	400.1	–	680	152.4	396.7	303.8	–	137	3.0
	RSB	2	420SD	4	228.60-381.00	330.00-350.00	2018	965.2	726.4	381.0	342.4	609.6	420.1	–	690	152.4	396.7	329.7	–	137	3.0
	340SD	4	RSB	2	250.00-270.00	228.60-381.00	1839	965.2	688.8	304.8	381.0	339.9	609.6	570	–	152.4	320.5	368.3	137	–	3.0
	340SD	4	340SD	4	250.00-270.00	250.00-270.00	1552	965.2	616.2	304.8	308.4	339.9	339.9	570	570	152.4	320.5	295.7	137	137	3.0
	340SD	4	360SD	4	250.00-270.00	273.05-295.00	1552	965.2	616.2	304.8	308.4	339.9	359.9	570	590	152.4	320.5	295.7	137	137	3.0
	340SD	4	380SD	4	250.00-270.00	290.00-310.01	1621	965.2	616.2	304.8	308.4	339.9	380.0	570	645	152.4	320.5	295.7	137	137	3.0
	340SD	4	400SD	4	250.00-270.00	315.09-330.20	1666	965.2	624.3	304.8	316.5	339.9	400.1	570	680	152.4	320.5	303.8	137	137	3.0
	340SD	4	420SD	4	250.00-270.00	330.00-350.00	1730	965.2	650.2	304.8	342.4	339.9	420.1	570	690	152.4	320.5	329.7	137	137	3.0

① Dimensions are for reference only and are subject to change without notice unless certified.

② Distance required for typical torque wrench and socket clearance to tighten the shrink disc fasteners.

③ Driven shaft tolerance is expected to be: +0.0000/-0.0005 inches for inch shafts under 3 inches, +0.000/-0.001 inches for inch shafts 3 inches and over, or m6 for metric shafts.

④ Coupling weights are for hubs with no bore and include shrink disc(s).

⑤ Type 2 hub is straight bored without shrink disc. Type 4 hub is straight bored with shrink disc.

Ratings

Maximum Torque Ratings

Coupling Size	Maximum Torque ① (in-lb)	Maximum Torque ① (Nm)
3030MCF	120,779	13,657
3035MCF	155,188	17,547
3040MCF	234,400	26,504
3045MCF	385,845	43,628
3055MCF	546,625	61,807
3060MCF	802,705	90,763
3065MCF	1,028,490	116,292
3075MCF	1,525,586	172,500
3080MCF	1,995,126	225,591
3090MCF	3,474,014	392,810
3095MCF	4,443,686	502,452

① Ratings listed are maximum for torque only. Applications with bending moments, radial loads, and/or axial loads will reduce the torque ratings of the couplings. Couplings with shrink discs may also lower the torque ratings. Refer application details to Regal Rexnord™ engineering for proper selections.

Moments of Inertia — WR^2 Values with Minimum Bores

Coupling Size	Hub Type				Moments of Intertia	
	Driving Hub	No.	Driven Hub	No.	lb-in²	kg-m²
3030	RSB	2	RSB	2	1,938	0.57
3035	RSB	2	RSB	2	3,031	0.89
3040	RSB	2	RSB	2	5,889	1.72
3045	RSB	2	RSB	2	15,788	4.62
	RSB	2	175SD	4	15,902	4.65
	RSB	2	185SD	4	17,346	5.08
	RSB	2	200SD	4	18,148	5.31
	175SD	4	RSB	2	15,902	4.65
	175SD	4	175SD	4	16,016	4.69
	175SD	4	185SD	4	17,460	5.11
	175SD	4	200SD	4	18,262	5.34
	185SD	4	RSB	2	17,346	5.08
	185SD	4	175SD	4	17,460	5.11
	185SD	4	185SD	4	18,905	5.53
	185SD	4	200SD	4	19,707	5.77
3055	RSB	2	RSB	2	25,533	7.47
	RSB	2	200SD	4	26,300	7.70
	RSB	2	220SD	4	28,161	8.24
	RSB	2	240SD	4	31,457	9.21
	220SD	4	RSB	2	28,431	8.32
	220SD	4	200SD	4	29,199	8.54
	220SD	4	220SD	4	31,060	9.09
	220SD	4	240SD	4	34,356	10.05
3060	RSB	2	RSB	2	41,533	12.15
	RSB	2	220SD	4	41,649	12.19
	RSB	2	240SD	4	44,943	13.15
	RSB	2	260SD	4	47,940	14.03
	240SD	4	RSB	2	45,143	13.21
	240SD	4	220SD	4	45,260	13.24
	240SD	4	240SD	4	48,553	14.21
	240SD	4	260SD	4	51,550	15.09
3065	RSB	2	RSB	2	59,535	17.42
	RSB	2	240SD	4	60,241	17.63
	RSB	2	260SD	4	63,199	18.49
	RSB	2	280SD	4	68,784	20.13
	RSB	2	300SD	4	72,257	21.15
	260SD	4	RSB	2	63,199	18.49
	260SD	4	240SD	4	63,905	18.70
	260SD	4	260SD	4	66,863	19.57
	260SD	4	280SD	4	72,449	21.20
	260SD	4	300SD	4	75,921	22.22

Coupling Size	Hub Type				Moments of Intertia	
	Driving Hub	No.	Driven Hub	No.	lb-in²	kg-m²
3075	RSB	2	RSB	2	111,717	32.69
	RSB	2	280SD	4	112,982	33.06
	RSB	2	300SD	4	116,440	34.07
	RSB	2	320SD	4	125,558	36.74
	280SD	4	RSB	2	112,992	33.07
	280SD	4	280SD	4	114,257	33.44
	280SD	4	300SD	4	117,715	34.45
	280SD	4	320SD	4	126,833	37.12
3080	RSB	2	RSB	2	181,256	53.04
	RSB	2	300SD	4	178,150	52.13
	RSB	2	320SD	4	187,251	54.80
	RSB	2	340SD	4	206,386	60.40
	300SD	4	RSB	2	178,149	52.13
	300SD	4	300SD	4	175,042	51.22
	300SD	4	320SD	4	184,143	53.89
	300SD	4	340SD	4	203,279	59.49
3090	RSB	2	RSB	2	403,997	118.23
	RSB	2	340SD	4	384,284	112.46
	RSB	2	360SD	4	391,301	114.51
	RSB	2	380SD	4	415,558	121.61
	RSB	2	400SD	4	438,256	128.25
	340SD	4	RSB	2	384,043	112.39
	340SD	4	340SD	4	364,329	106.62
	340SD	4	360SD	4	371,347	108.67
	340SD	4	380SD	4	395,604	115.77
	340SD	4	400SD	4	418,291	122.40
3095	RSB	2	RSB	2	609,445	178.35
	RSB	2	340SD	4	551,871	161.50
	RSB	2	360SD	4	558,709	163.50
	RSB	2	380SD	4	582,996	170.61
	RSB	2	400SD	4	605,644	177.24
	RSB	2	420SD	4	626,519	183.34
	340SD	4	RSB	2	552,043	161.55
	340SD	4	340SD	4	494,469	144.70
	340SD	4	360SD	4	501,306	146.70
	340SD	4	380SD	4	525,594	153.81
	340SD	4	400SD	4	548,241	160.44
	340SD	4	420SD	4	569,117	166.55

Engineering Data — Finish Bore for Type 2 Interference Fit Hubs (Inch)

Table 1 — Required Shaft Diameter and Hub Bore Diameter for Type 2 Interference Fit Hubs (in) ①

Shaft Diameter +0.0000 -0.0005	Interference Fit	
	Hub Bore	Interference
2.5000	2.4966 - 2.4976	0.0019 - 0.0034
2.6250	2.6215 - 2.6225	0.0020 - 0.0035
2.7500	2.7464 - 2.7474	0.0021 - 0.0036
2.8750	2.8713 - 2.8723	0.0022 - 0.0037
2.9375	2.9338 - 2.9348	0.0022 - 0.0037

Shaft Diameter +0.0000 -0.0010	Interference Fit	
	Hub Bore	Interference
3.0000	2.9957 - 2.9967	0.0023 - 0.0043
3.1250	3.1206 - 3.1216	0.0024 - 0.0044
3.2500	3.2455 - 3.2465	0.0025 - 0.0045
3.3750	3.3704 - 3.3714	0.0026 - 0.0046
3.4375	3.4329 - 3.4339	0.0026 - 0.0046
3.5000	3.4953 - 3.4963	0.0027 - 0.0047
3.6250	3.6202 - 3.6212	0.0028 - 0.0048
3.7500	3.7452 - 3.7462	0.0029 - 0.0049
3.8750	3.8701 - 3.8711	0.0029 - 0.0049
3.9375	3.9325 - 3.9335	0.0030 - 0.0050
3.9370	3.9320 - 3.9330	0.0030 - 0.0050
4.0000	3.9945 - 3.9960	0.0030 - 0.0055
4.1250	4.1194 - 4.1209	0.0031 - 0.0056
4.2500	4.2443 - 4.2458	0.0032 - 0.0057
4.3750	4.3692 - 4.3707	0.0033 - 0.0058
4.4375	4.4316 - 4.4331	0.0034 - 0.0059
4.5000	4.4941 - 4.4956	0.0034 - 0.0059
4.6250	4.6190 - 4.6205	0.0035 - 0.0060
4.7500	4.7439 - 4.7454	0.0036 - 0.0061
4.8750	4.8688 - 4.8703	0.0037 - 0.0062
4.9375	4.9312 - 4.9327	0.0038 - 0.0063
5.0000	4.9937 - 4.9952	0.0038 - 0.0063
5.1250	5.1186 - 5.1201	0.0039 - 0.0064
5.2500	5.2435 - 5.2450	0.0040 - 0.0065
5.3750	5.3684 - 5.3699	0.0041 - 0.0066
5.4375	5.4309 - 5.4324	0.0041 - 0.0066
5.5000	5.4933 - 5.4948	0.0042 - 0.0067
5.6250	5.6182 - 5.6197	0.0043 - 0.0068
5.7500	5.7431 - 5.7446	0.0044 - 0.0069
5.8750	5.8680 - 5.8695	0.0045 - 0.0070
5.9375	5.9305 - 5.9320	0.0045 - 0.0070
6.0000	5.9929 - 5.9944	0.0046 - 0.0071
6.1250	6.1178 - 6.1193	0.0047 - 0.0072
6.2500	6.2428 - 6.2443	0.0048 - 0.0073
6.3750	6.3677 - 6.3692	0.0048 - 0.0073
6.4375	6.4301 - 6.4316	0.0049 - 0.0074
6.5000	6.4926 - 6.4941	0.0049 - 0.0074
6.6250	6.6175 - 6.6190	0.0050 - 0.0075
6.7500	6.7424 - 6.7439	0.0051 - 0.0076
6.8750	6.8673 - 6.8688	0.0052 - 0.0077
6.9375	6.9297 - 6.9312	0.0053 - 0.0078
7.0000	6.9917 - 6.9937	0.0053 - 0.0083
7.1250	7.1166 - 7.1186	0.0054 - 0.0084
7.2500	7.2415 - 7.2435	0.0055 - 0.0085
7.3750	7.3664 - 7.3684	0.0056 - 0.0086
7.4375	7.4288 - 7.4308	0.0057 - 0.0087
7.5000	7.4913 - 7.4933	0.0057 - 0.0087
7.6250	7.6162 - 7.6182	0.0058 - 0.0088
7.7500	7.7411 - 7.7431	0.0059 - 0.0089
7.8750	7.8660 - 7.8680	0.0060 - 0.0090
7.9375	7.9285 - 7.9305	0.0060 - 0.0090
8.0000	7.9909 - 7.9929	0.0061 - 0.0091
8.1250	8.1158 - 8.1178	0.0062 - 0.0092
8.2500	8.2407 - 8.2427	0.0063 - 0.0093
8.3750	8.3656 - 8.3676	0.0064 - 0.0094
8.4375	8.4281 - 8.4301	0.0064 - 0.0094
8.5000	8.4905 - 8.4925	0.0065 - 0.0095

Shaft Diameter +0.0000 -0.0010	Interference Fit	
	Hub Bore	Interference
8.6250	8.6154 - 8.6174	0.0066 - 0.0096
8.7500	8.7404 - 8.7424	0.0067 - 0.0097
8.8750	8.8653 - 8.8673	0.0067 - 0.0097
8.9375	8.9277 - 8.9297	0.0068 - 0.0098
9.0000	8.9902 - 8.9922	0.0068 - 0.0098
9.1250	9.1151 - 9.1171	0.0069 - 0.0099
9.2500	9.2400 - 9.2420	0.0070 - 0.0100
9.3750	9.3649 - 9.3669	0.0071 - 0.0101
9.4375	9.4273 - 9.4293	0.0072 - 0.0102
9.5000	9.4898 - 9.4918	0.0072 - 0.0102
9.6250	9.6147 - 9.6167	0.0073 - 0.0103
9.7500	9.7396 - 9.7416	0.0074 - 0.0104
9.8750	9.8645 - 9.8665	0.0075 - 0.0105
9.9375	9.9269 - 9.9289	0.0076 - 0.0106
10.0000	9.9894 - 9.9914	0.0076 - 0.0106
10.1250	10.1143 - 10.1163	0.0077 - 0.0107
10.2500	10.2392 - 10.2412	0.0078 - 0.0108
10.3750	10.3641 - 10.3661	0.0079 - 0.0109
10.4375	10.4266 - 10.4286	0.0079 - 0.0109
10.5000	10.4890 - 10.4910	0.0080 - 0.0110
10.6250	10.6139 - 10.6159	0.0081 - 0.0111
10.7500	10.7388 - 10.7408	0.0082 - 0.0112
10.8750	10.8637 - 10.8657	0.0083 - 0.0113
10.9375	10.9262 - 10.9282	0.0083 - 0.0113
11.0000	10.9886 - 10.9906	0.0084 - 0.0114
11.1250	11.1135 - 11.1155	0.0085 - 0.0115
11.2500	11.2385 - 11.2405	0.0086 - 0.0116
11.3750	11.3634 - 11.3654	0.0086 - 0.0116
11.4375	11.4258 - 11.4278	0.0087 - 0.0117
11.5000	11.4883 - 11.4903	0.0087 - 0.0117
11.6250	11.6132 - 11.6152	0.0088 - 0.0118
11.7500	11.7381 - 11.7401	0.0089 - 0.0119
11.8750	11.8630 - 11.8650	0.0090 - 0.0120
11.9375	11.9254 - 11.9274	0.0091 - 0.0121
12.0000	11.9879 - 11.9899	0.0091 - 0.0121
12.1250	12.1128 - 12.1148	0.0092 - 0.0122
12.2500	12.2377 - 12.2397	0.0093 - 0.0123
12.3750	12.3626 - 12.3646	0.0094 - 0.0124
12.4375	12.4250 - 12.4270	0.0095 - 0.0125
12.5000	12.4875 - 12.4895	0.0095 - 0.0125
12.6250	12.6124 - 12.6144	0.0096 - 0.0126
12.7500	12.7373 - 12.7393	0.0097 - 0.0127
12.8750	12.8622 - 12.8642	0.0098 - 0.0128
12.9375	12.9247 - 12.9267	0.0098 - 0.0128
13.0000	12.9871 - 12.9891	0.0099 - 0.0129
13.1250	13.1120 - 13.1140	0.0100 - 0.0130
13.2500	13.2369 - 13.2389	0.0101 - 0.0131
13.3750	13.3618 - 13.3638	0.0102 - 0.0132
13.4375	13.4243 - 13.4263	0.0102 - 0.0132
13.5000	13.4867 - 13.4887	0.0103 - 0.0133
13.6250	13.6116 - 13.6136	0.0104 - 0.0134
13.7500	13.7366 - 13.7386	0.0105 - 0.0135
13.8750	13.8615 - 13.8635	0.0105 - 0.0135
13.9375	13.9239 - 13.9259	0.0106 - 0.0136
14.0000	13.9864 - 13.9884	0.0106 - 0.0136
14.1250	14.1113 - 14.1133	0.0107 - 0.0137
14.2500	14.2362 - 14.2382	0.0108 - 0.0138
14.3750	14.3611 - 14.3631	0.0109 - 0.0139
14.4375	14.4235 - 14.4255	0.0110 - 0.0140
14.5000	14.4860 - 14.4880	0.0110 - 0.0140
14.6250	14.6109 - 14.6129	0.0111 - 0.0141
14.7500	14.7358 - 14.7378	0.0112 - 0.0142
14.8750	14.8607 - 14.8627	0.0113 - 0.0143
14.9375	14.9231 - 14.9251	0.0114 - 0.0144
15.0000	14.9851 - 14.9876	0.0114 - 0.0144

① Bore Surface Finish: Machined finish bores normally have a surface finish of 125 Ra microinches or 3.2 micrometers.
Shaft and hub bore diameter tolerances and the amount of interference fit are critical to the performance of MCF couplings.
All interference fit hubs require a **minimum** interference fit of 0.00075 inches per inch of shaft diameter.

Engineering Data — Finish Bore for Type 2 Interference Fit Hubs (Metric)

Table 2 — Required Hub Metric Bores for Type 2 Interference Fit (mm) ①

Shaft Diameter		Interference Fit	
Nom.	m6	Hub Bore	Interference
65	65.011 / 65.030	64.937 / 64.962	-0.049 / -0.093
70	70.011 / 70.030	69.933 / 69.958	-0.053 / -0.097
75	75.011 / 75.030	74.929 / 74.954	-0.057 / -0.101
80	80.011 / 80.030	79.925 / 79.950	-0.061 / -0.105
85	85.013 / 85.035	84.923 / 84.948	-0.065 / -0.112
90	90.013 / 90.035	89.920 / 89.945	-0.068 / -0.115
95	95.013 / 95.035	94.916 / 94.941	-0.072 / -0.119
100	100.013 / 100.035	99.912 / 99.937	-0.076 / -0.123
105	105.013 / 105.035	104.895 / 104.933	-0.080 / -0.140
110	110.013 / 110.035	109.891 / 109.929	-0.084 / -0.144
115	115.013 / 115.035	114.888 / 114.926	-0.087 / -0.147
120	120.013 / 120.035	119.884 / 119.922	-0.091 / -0.151
125	125.015 / 125.040	124.882 / 124.920	-0.095 / -0.158
130	130.015 / 130.040	129.878 / 129.916	-0.099 / -0.162
135	135.015 / 135.040	134.874 / 134.912	-0.103 / -0.166
140	140.015 / 140.040	139.871 / 139.909	-0.106 / -0.169
145	145.015 / 145.040	144.867 / 144.905	-0.110 / -0.173
150	150.015 / 150.040	149.863 / 149.901	-0.114 / -0.177
155	155.015 / 155.040	154.859 / 154.897	-0.118 / -0.181
160	160.015 / 160.040	159.855 / 159.893	-0.122 / -0.185
165	165.015 / 165.040	164.852 / 164.890	-0.125 / -0.188
170	170.015 / 170.040	169.848 / 169.886	-0.129 / -0.192
175	175.015 / 175.040	174.844 / 174.882	-0.133 / -0.196
180	180.015 / 180.040	179.827 / 179.878	-0.137 / -0.213
185	185.017 / 185.046	184.825 / 184.876	-0.141 / -0.221
190	190.017 / 190.046	189.822 / 189.873	-0.144 / -0.224
195	195.017 / 195.046	194.818 / 194.869	-0.148 / -0.228
200	200.017 / 200.046	199.814 / 199.865	-0.152 / -0.232
205	205.017 / 205.046	204.810 / 204.861	-0.156 / -0.236
210	210.017 / 210.046	209.806 / 209.857	-0.160 / -0.240
215	215.017 / 215.046	214.803 / 214.854	-0.163 / -0.243
220	220.017 / 220.046	219.799 / 219.850	-0.167 / -0.247
225	225.017 / 225.046	224.795 / 224.846	-0.171 / -0.251
230	230.017 / 230.046	229.791 / 229.842	-0.175 / -0.255
235	235.017 / 235.046	234.787 / 234.838	-0.179 / -0.259
240	240.017 / 240.046	239.784 / 239.835	-0.182 / -0.262
245	245.017 / 245.046	244.780 / 244.831	-0.186 / -0.266
250	250.017 / 250.046	249.776 / 249.827	-0.190 / -0.270
255	255.020 / 255.052	254.775 / 254.826	-0.194 / -0.277
260	260.020 / 260.052	259.771 / 259.822	-0.198 / -0.281
265	265.020 / 265.052	264.768 / 264.819	-0.201 / -0.284
270	270.020 / 270.052	269.764 / 269.815	-0.205 / -0.288
275	275.020 / 275.052	274.760 / 274.811	-0.209 / -0.292
280	280.020 / 280.052	279.756 / 279.807	-0.213 / -0.296
285	285.020 / 285.052	284.752 / 284.803	-0.217 / -0.300
290	290.020 / 290.052	289.749 / 289.800	-0.220 / -0.303
295	295.020 / 295.052	294.745 / 294.796	-0.224 / -0.307
300	300.020 / 300.052	299.741 / 299.792	-0.228 / -0.311
305	305.020 / 305.052	304.737 / 304.788	-0.232 / -0.315
310	310.020 / 310.052	309.733 / 309.784	-0.236 / -0.319
315	315.020 / 315.052	314.730 / 314.781	-0.239 / -0.322
320	320.021 / 320.057	319.727 / 319.778	-0.243 / -0.330
325	325.021 / 325.057	324.723 / 324.774	-0.247 / -0.334
330	330.021 / 330.057	329.719 / 329.770	-0.251 / -0.338
335	335.021 / 335.057	334.715 / 334.766	-0.255 / -0.342
340	340.021 / 340.057	339.712 / 339.763	-0.258 / -0.345
345	345.021 / 345.057	344.708 / 344.759	-0.262 / -0.349
350	350.021 / 350.057	349.704 / 349.755	-0.266 / -0.353
355	355.021 / 355.057	354.700 / 354.751	-0.270 / -0.357

① Bore Surface Finish: Machined finish bores normally have a surface finish of 125 Ra microinches or 3.2 micrometers.

Shaft and hub bore diameter tolerances and the amount of interference fit are critical to the performance of MCF couplings. All interference fit hubs require a **minimum** interference fit of 0.00075 mm per mm of shaft diameter.

Engineering Data — Standard Filleted Keyways and Chamfered Keys for Type 2 Interference Fit Hubs

Table 3 — Standard Filleted Keyways and Chamfered Keys (in) (per ASME B17.1 and AGMA 9002-C14) ①

Nominal Shaft Diameter		Key			Hub Keyway					
Over	Thru	Size (Nominal)	45° Chamfer		Width	Width Tolerance		Depth		Fillet Radius
			Over	Thru		Low	High	Minimum	Maximum	±0.010
2.250	2.750	0.625 x 0.625	0.078	0.095	0.625	-0.0000	+0.0030	0.323	0.333	0.062
2.750	3.250	0.750 x 0.750	0.078	0.095	0.750	-0.0000	+0.0030	0.385	0.395	0.062
3.250	3.750	0.875 x 0.875	0.078	0.095	0.875	-0.0000	+0.0030	0.448	0.458	0.062
3.750	4.500	1.000 x 1.000	0.078	0.095	1.000	-0.0000	+0.0030	0.510	0.520	0.062
4.500	5.500	1.250 x 1.250	0.158	0.175	1.250	-0.0000	+0.0035	0.635	0.645	0.125
5.500	6.500	1.500 x 1.500	0.158	0.175	1.500	-0.0000	+0.0035	0.760	0.770	0.125
6.500	7.500	1.750 x 1.500	0.158	0.175	1.750	-0.0000	+0.0040	0.760	0.770	0.125
7.500	9.000	2.000 x 1.500	0.158	0.175	2.000	-0.0000	+0.0040	0.760	0.770	0.125
9.000	11.000	2.500 x 1.750	0.158	0.175	2.500	-0.0000	+0.0045	0.885	0.895	0.125
11.000	13.000	3.000 x 2.000	0.219	0.240	3.000	-0.0000	+0.0045	1.010	1.020	0.188
13.000	15.000	3.500 x 2.500	0.219	0.240	3.500	-0.0000	+0.0050	1.260	1.270	0.188
15.000	18.000	4.000 x 3.000	0.281	0.300	4.000	-0.0000	+0.0050	1.510	1.520	0.250

① 3000MCF, Type 2 hubs are only available with one key. If a keyless fit or multiple keys are require, contact Regal Rexnord™ engineering.

Table 4 — Standard Filleted Keyways and Chamfered Keys (mm) (per ISO R773 - Js9 width tolerance) ①

Nominal Shaft Diameter		Key			Hub Keyway				
Over	Thru	Size (Nominal)	45° Chamfer		Width	Depth (T2)		Fillet Radius	
			Over	Thru		Minimum	Maximum	Minimum	Maximum
65	75	20 x 12	0.60	0.80	20	4.9	5.1	0.40	0.60
75	85	22 x 14	0.60	0.80	22	5.4	5.6	0.40	0.60
85	95	25 x 14	0.60	0.80	25	5.4	5.6	0.40	0.60
95	110	28 x 16	0.60	0.80	28	6.4	6.6	0.40	0.60
110	130	32 x 18	0.60	0.80	32	7.4	7.6	0.40	0.60
130	150	36 x 20	1.00	1.20	36	8.4	8.7	0.70	1.00
150	170	40 x 22	1.00	1.20	40	9.4	9.7	0.70	1.00
170	200	45 x 25	1.00	1.20	45	10.4	10.7	0.70	1.00
200	230	50 x 28	1.00	1.20	50	11.4	11.7	0.70	1.00
230	260	56 x 32	1.60	2.00	56	12.4	12.7	1.20	1.60
260	290	63 x 32	1.60	2.00	63	12.4	12.7	1.20	1.60
290	330	70 x 36	1.60	2.00	70	14.4	14.7	1.20	1.60
330	380	80 x 40	2.50	3.00	80	15.4	15.7	2.00	2.50

① 3000MCF, Type 2 hubs are only available with one key. If a keyless fit or multiple keys are require, contact Regal Rexnord engineering.

Engineering Data — Finish Bore for Type 2 Interference Fit Hubs and Type 4 Shrink Disc Hubs

Runout: With respect to Datums A & B, per Figure 1, the bore must be within the total indicated runout in Table 5 or Table 6.

Figure 1 – Datum Identification for Bore Runout

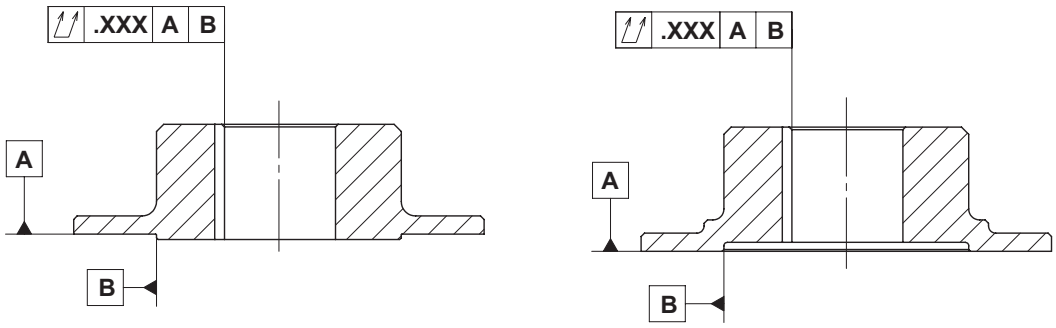


Table 5 — Runout Tolerances (in)

Bore Diameter		Runout Tolerance (TIR)
Over	To & including	
2.5000	6.0000	0.0020
6.0000	12.0000	0.0020
12.0000	15.0000	0.0030

Table 6 — Runout Tolerances (mm)

Bore Diameter		Runout Tolerance (TIR)
Over	To & including	
63.500	152.400	0.051
152.400	304.800	0.051
304.800	381.000	0.076

Countersink: Countersinks shall be located per Figure 2 and per the values in Table 7 or Table 8.

Figure 2 – Countersink Location

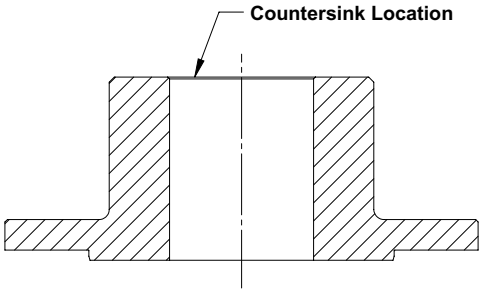


Table 7 — Countersink Values (in)

Bore Diameter		45° Countersink
Over	To & including	+0.030 / -0.000
2.500	3.000	0.060
3.000	7.500	0.090
7.500	–	0.120

Table 8 — Countersink Values (mm)

Bore Diameter		45° Countersink
Over	To & including	+0.76 / -0.00
63.500	76.20	1.52
152.400	190.50	2.29
304.800	–	3.05

Engineering Data — Finish Bore for Type 4 Shrink Disc Hubs (Inch)

Table 9 — Shaft Diameter Tolerances and Hub Bore Diameter Tolerances for Type 4 Shrink Disc Hubs (in)①②

Shaft Diameter	Clearance Fit	
+0.0000 -0.0010	Hub Bore	Clearance
4.7500	4.7506 - 4.7521	0.0006 - 0.0031
4.8750	4.8756 - 4.8771	0.0006 - 0.0031
4.9375	4.9381 - 4.9396	0.0006 - 0.0031
5.0000	5.0006 - 5.0021	0.0006 - 0.0031
5.1250	5.1256 - 5.1271	0.0006 - 0.0031
5.2500	5.2506 - 5.2521	0.0006 - 0.0031
5.3750	5.3756 - 5.3771	0.0006 - 0.0031
5.4375	5.4381 - 5.4396	0.0006 - 0.0031
5.5000	5.5006 - 5.5021	0.0006 - 0.0031
5.6250	5.6256 - 5.6271	0.0006 - 0.0031
5.7500	5.7506 - 5.7521	0.0006 - 0.0031
5.8750	5.8756 - 5.8771	0.0006 - 0.0031
5.9375	5.9381 - 5.9396	0.0006 - 0.0031
6.0000	6.0006 - 6.0021	0.0006 - 0.0031
6.1250	6.1256 - 6.1271	0.0006 - 0.0031
6.2500	6.2506 - 6.2521	0.0006 - 0.0031
6.3750	6.3756 - 6.3771	0.0006 - 0.0031
6.4375	6.4381 - 6.4396	0.0006 - 0.0031
6.5000	6.5006 - 6.5021	0.0006 - 0.0031
6.6250	6.6256 - 6.6271	0.0006 - 0.0031
6.7500	6.7506 - 6.7521	0.0006 - 0.0031
6.8750	6.8756 - 6.8771	0.0006 - 0.0031
6.9375	6.9381 - 6.9396	0.0006 - 0.0031
7.0000	7.0006 - 7.0021	0.0006 - 0.0031
7.1250	7.1256 - 7.1275	0.0006 - 0.0035
7.2500	7.2506 - 7.2525	0.0006 - 0.0035
7.3750	7.3756 - 7.3775	0.0006 - 0.0035
7.4375	7.4381 - 7.4400	0.0006 - 0.0035
7.5000	7.5006 - 7.5025	0.0006 - 0.0035
7.6250	7.6256 - 7.6275	0.0006 - 0.0035
7.7500	7.7506 - 7.7525	0.0006 - 0.0035
7.8750	7.8756 - 7.8775	0.0006 - 0.0035
7.9375	7.9381 - 7.9400	0.0006 - 0.0035
8.0000	8.0006 - 8.0025	0.0006 - 0.0035
8.1250	8.1256 - 8.1275	0.0006 - 0.0035
8.2500	8.2506 - 8.2525	0.0006 - 0.0035
8.3750	8.3756 - 8.3775	0.0006 - 0.0035
8.4375	8.4381 - 8.4400	0.0006 - 0.0035
8.5000	8.5006 - 8.5025	0.0006 - 0.0035
8.6250	8.6256 - 8.6275	0.0006 - 0.0035
8.7500	8.7506 - 8.7525	0.0006 - 0.0035
8.8750	8.8756 - 8.8775	0.0006 - 0.0035
8.9375	8.9381 - 8.9400	0.0006 - 0.0035
9.0000	9.0006 - 9.0025	0.0006 - 0.0035
9.1250	9.1256 - 9.1275	0.0006 - 0.0035
9.2500	9.2506 - 9.2525	0.0006 - 0.0035
9.3750	9.3756 - 9.3775	0.0006 - 0.0035
9.4375	9.4381 - 9.4400	0.0006 - 0.0035
9.5000	9.5006 - 9.5025	0.0006 - 0.0035
9.6250	9.6256 - 9.6275	0.0006 - 0.0035
9.7500	9.7506 - 9.7525	0.0006 - 0.0035
9.8750	9.8757 - 9.8779	0.0007 - 0.0039
9.9375	9.9382 - 9.9404	0.0007 - 0.0039
10.0000	10.0007 - 10.0029	0.0007 - 0.0039
10.1250	10.1257 - 10.1279	0.0007 - 0.0039
10.2500	10.2507 - 10.2529	0.0007 - 0.0039
10.3750	10.3757 - 10.3779	0.0007 - 0.0039
10.4375	10.4382 - 10.4404	0.0007 - 0.0039
10.5000	10.5007 - 10.5029	0.0007 - 0.0039
10.6250	10.6257 - 10.6279	0.0007 - 0.0039
10.7500	10.7507 - 10.7529	0.0007 - 0.0039
10.8750	10.8757 - 10.8779	0.0007 - 0.0039
10.9375	10.9382 - 10.9404	0.0007 - 0.0039
11.0000	11.0007 - 11.0029	0.0007 - 0.0039
11.1250	11.1257 - 11.1279	0.0007 - 0.0039
11.2500	11.2507 - 11.2529	0.0007 - 0.0039
11.3750	11.3757 - 11.3779	0.0007 - 0.0039
11.4375	11.4382 - 11.4404	0.0007 - 0.0039
11.5000	11.5007 - 11.5029	0.0007 - 0.0039
11.6250	11.6257 - 11.6279	0.0007 - 0.0039
11.7500	11.7507 - 11.7529	0.0007 - 0.0039
11.8750	11.8757 - 11.8779	0.0007 - 0.0039
11.9375	11.9382 - 11.9404	0.0007 - 0.0039
12.0000	12.0007 - 12.0029	0.0007 - 0.0039
12.1250	12.1257 - 12.1279	0.0007 - 0.0039
12.2500	12.2507 - 12.2529	0.0007 - 0.0039
12.3750	12.3757 - 12.3779	0.0007 - 0.0039
12.4375	12.4382 - 12.4408	0.0007 - 0.0043
12.5000	12.5007 - 12.5033	0.0007 - 0.0043
12.6250	12.6257 - 12.6283	0.0007 - 0.0043
12.7500	12.7507 - 12.7533	0.0007 - 0.0043
12.8750	12.8757 - 12.8783	0.0007 - 0.0043
12.9375	12.9382 - 12.9408	0.0007 - 0.0043
13.0000	13.0007 - 13.0033	0.0007 - 0.0043
13.1250	13.1257 - 13.1283	0.0007 - 0.0043
13.2500	13.2507 - 13.2533	0.0007 - 0.0043
13.3750	13.3757 - 13.3783	0.0007 - 0.0043
13.4375	13.4382 - 13.4408	0.0007 - 0.0043
13.5000	13.5007 - 13.5033	0.0007 - 0.0043
13.6250	13.6257 - 13.6283	0.0007 - 0.0043
13.7500	13.7507 - 13.7533	0.0007 - 0.0043
13.8750	13.8757 - 13.8783	0.0007 - 0.0043
13.9375	13.9382 - 13.9408	0.0007 - 0.0043
14.0000	14.0007 - 14.0033	0.0007 - 0.0043

① Bore Surface Finish: Machined finish bores normally have a surface finish of 125 Ra microinches or 3.2 micrometers.

② MCF couplings with a shrink disc shall not be mounted in combination with a key. MCF couplings with a shrink disc shall not be mounted on shafts with empty keyseats. Any keyseats should be completely filled using a rounded half key. The purchaser shall be responsible for providing these half keys.

Engineering Data — Finish Bore for Type 4 Shrink Disc Hubs (Metric)

Table 10 — Shaft Diameter Tolerances and Hub Bore Diameter Tolerances for Type 4 Shrink Disc Hubs (mm)①②

Shaft Diameter		Clearance Fit	
Nom.	m6	Hub Bore	Clearance
125	125.015 - 125.040	125.054 - 125.094	0.014 - 0.079
130	130.015 - 130.040	130.054 - 130.094	0.014 - 0.079
135	135.015 - 135.040	135.054 - 135.094	0.014 - 0.079
140	140.015 - 140.040	140.054 - 140.094	0.014 - 0.079
145	145.015 - 145.040	145.054 - 145.094	0.014 - 0.079
150	150.015 - 150.040	150.054 - 150.094	0.014 - 0.079
155	155.015 - 155.040	155.054 - 155.094	0.014 - 0.079
160	160.015 - 160.040	160.054 - 160.094	0.014 - 0.079
165	165.015 - 165.040	165.054 - 165.094	0.014 - 0.079
170	170.015 - 170.040	170.054 - 170.094	0.014 - 0.079
175	175.015 - 175.040	175.054 - 175.094	0.014 - 0.079
180	180.015 - 180.040	180.054 - 180.094	0.014 - 0.079
185	185.017 - 185.046	185.061 - 185.107	0.015 - 0.090
190	190.017 - 190.046	190.061 - 190.107	0.015 - 0.090
195	195.017 - 195.046	195.061 - 195.107	0.015 - 0.090
200	200.017 - 200.046	200.061 - 200.107	0.015 - 0.090
205	205.017 - 205.046	205.061 - 205.107	0.015 - 0.090
210	210.017 - 210.046	210.061 - 210.107	0.015 - 0.090
215	215.017 - 215.046	215.061 - 215.107	0.015 - 0.090
220	220.017 - 220.046	220.061 - 220.107	0.015 - 0.090
225	225.017 - 225.046	225.061 - 225.107	0.015 - 0.090
230	230.017 - 230.046	230.061 - 230.107	0.015 - 0.090
235	235.017 - 235.046	235.061 - 235.107	0.015 - 0.090
240	240.017 - 240.046	240.061 - 240.107	0.015 - 0.090
245	245.017 - 245.046	245.061 - 245.107	0.015 - 0.090
250	250.017 - 250.046	250.061 - 250.107	0.015 - 0.090
255	255.020 - 255.052	255.069 - 255.121	0.017 - 0.101
260	260.020 - 260.052	260.069 - 260.121	0.017 - 0.101
265	265.020 - 265.052	265.069 - 265.121	0.017 - 0.101
270	270.020 - 270.052	270.069 - 270.121	0.017 - 0.101
275	275.020 - 275.052	275.069 - 275.121	0.017 - 0.101
280	280.020 - 280.052	280.069 - 280.121	0.017 - 0.101
285	285.020 - 285.052	285.069 - 285.121	0.017 - 0.101
290	290.020 - 290.052	290.069 - 290.121	0.017 - 0.101
295	295.020 - 295.052	295.069 - 295.121	0.017 - 0.101
300	300.020 - 300.052	300.069 - 300.121	0.017 - 0.101
305	305.020 - 305.052	305.069 - 305.121	0.017 - 0.101
310	310.020 - 310.052	310.069 - 310.121	0.017 - 0.101
315	315.020 - 315.052	315.069 - 315.121	0.017 - 0.101
320	320.021 - 320.057	320.075 - 320.132	0.018 - 0.111
325	325.021 - 325.057	325.075 - 325.132	0.018 - 0.111
330	330.021 - 330.057	330.075 - 330.132	0.018 - 0.111
335	335.021 - 335.057	335.075 - 335.132	0.018 - 0.111
340	340.021 - 340.057	340.075 - 340.132	0.018 - 0.111
345	345.021 - 345.057	345.075 - 345.132	0.018 - 0.111
350	350.021 - 350.057	350.075 - 350.132	0.018 - 0.111
355	355.021 - 355.057	355.075 - 355.132	0.018 - 0.111

① Bore Surface Finish: Machined finish bores normally have a surface finish of 125 Ra microinches or 3.2 micrometers.

② MCF couplings with a shrink disc shall not be mounted in combination with a key. MCF couplings with a shrink disc shall not be mounted on shafts with empty keyseats. Any keyseats should be completely filled using a rounded half key. The purchaser shall be responsible for providing these half keys.

Counterbore: Counterbores shall be located per Figure 3, shall be equal to the bore + 0.020 inches (0.51mm), and to a depth per the values in Table 11 or Table 12.

Figure 3 – Counterbore Location and Depth

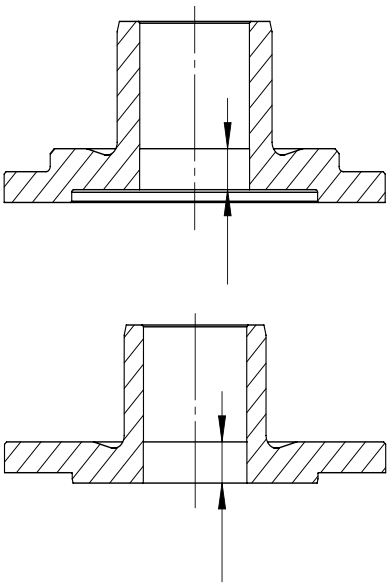


Table 11 — Counterbore Depth for Type 4 Shrink Disc Hubs

Coupling Size	Counterbore Depth (in) ±0.03	Counterbore Depth (mm) ±0.8
3045MCF	1.75	44.5
3055MCF	1.75	44.5
3060MCF	2.00	50.8
3065MCF	2.25	57.2
3075MCF	2.50	63.5
3080MCF	2.50	63.5
3090MCF	3.72	94.5
3095MCF	3.38	85.9

Required Information for Selection

The 3000MCF coupling is a rigid, moment, flange coupling. The 3000MCF coupling is one component part of an engineered system. Multiple variables can influence the loads on the coupling and impact the coupling size required to transmit the loads. In addition to torque loads, the 3000MCF couplings are also subjected to radial loads, bending moments, and axial loads generated by shaft mounted drive systems. The affected gear drive's components (low speed shaft, low speed bearings, torque arm, etc.) must be capable of supporting these loads. This requires analysis and review by a mechanical engineer. This review must be done by Regal Rexnord™ engineering when used on a Regal Rexnord gearbox. When a 3000MCF coupling is used with another brand of gearbox, the customer is responsible for ensuring the gearbox's low speed shaft and bearings are checked and able to support these system loads.

Coupling mechanical torque ratings stated in this catalog are the maximum transmissible torque that the coupling will transmit **without** axial forces, radial loads, and/or bending moments due to application loads. **When axial forces, radial loads, and/or bending moments are present for an application, the torque rating will be reduced relative to the values in this catalog.**

MCF couplings require special procedures for proper selection for each application. Fill out all the information in the application data sheet on pages 17 and 18 and submit to the factory for proper selection. MCF Coupling selections and quotes based upon incomplete information provided by the purchaser are preliminary. Completion of the application data sheets found on pages 17 and 18 is required for proper selection and accurate quoting.

All information in Section VII of the Application Data Sheet is required for EITHER Part A OR Part B.

SECTION VII, Part A: The customer provides Regal Rexnord engineering the results of the reaction load analysis for their drive system. The customer will have to calculate radial force (F), bending moment (M), and torque transmitted (T) at the center of the coupling for both 100% motor and 200% peak motor values for their drive system. The customer assumes responsibility for these calculations and for confirming the gear drive and torque arm for their drive system can handle these loads.

SECTION VII, Part B: The customer provides Regal Rexnord engineering all the drive system information needed to analyze and review the reaction loads.

The size, weight, and arrangement of all elements in the system are all important factors. Any change in the weight and center of gravity of the system can change the loads on the MCF coupling as well as the loads on the gear drive LS shaft and bearings and torque arm The customer assumes responsibility for confirming the gear drive and torque arm for their drive system can handle these loads.

The purchaser must confirm that all dimensions and weights are correct.

3000MCF Application Data Sheet

SECTION I – CONTACT INFORMATION (All information in this section is required.)

Company _____ Phone _____

Address _____ E-Mail _____

_____ Date Requested _____

Submitted By _____ Date Needed _____

SECTION II – APPLICATION DATA (All information in this section is required.)

Description (Belt Conveyor, Bucket Elevator, etc.): _____

Loading (Uniform, Heavy Duty, Severe): _____

Driven Shaft Diameter (in or mm): _____ Driven Shaft Keyway (WxH, in or mm): _____

MCF Driving Hub Type: Interference Fit (Type 2) ☐ Shrink Disc (Type 4) ☐

MCF Driven Hub Type: Interference Fit (Type 2) ☐ Shrink Disc (Type 4) ☐

Non-Standard Considerations (excessive overloads, frequency of starts, reversing service, brake-equipped, VFD, rough stock bore hub, etc.)

_____

_____

SECTION III – MOTOR INFORMATION (All information in this section is required.)

Rating (hp, kW) _____ Frame Size _____ Base Speed (rpm) _____ Maximum Speed (rpm) _____

SECTION IV – HIGH SPEED COUPLING INFORMATION
(All information in this section is required if applicable.)

Type (grid, disc, elastomer, gear, fluid, etc.) _____

Style (close-coupled, spacer, etc.) _____

Size _____

Fluid Coupling Start Factor (%) _____

Distance Between Shaft Ends or Shaft Gap (in or mm) _____

SECTION V – GEAR BOX INFORMATION
(All information in this section is required.)

Gear Box Nomenclature _____

Output Speed (rpm) _____

Exact Ratio _____

Low Speed Shaft Diameter (in or mm) _____

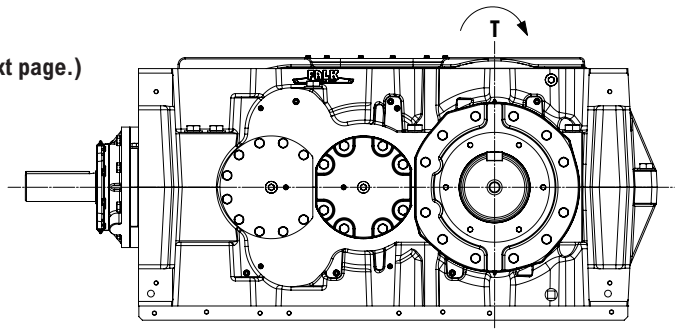
Low Speed Shaft Diameter Tolerance (in or mm) _____

Low Speed Shaft Usable Length (in or mm) _____

SECTION VI – MOUNTING INFORMATION (All information in this section is required.)

Mounting Type (Swing base, Alignment-Free Drive, etc.) _____

SECTION VII, PART A – REACTION LOAD INFORMATION
(All information required for EITHER section A below OR section B on next page.)



A. LOW SPEED SHAFT REACTION LOADS

Maximum loads at end of low speed shaft.

Shaft Rotation Direction (CW or CCW) _____

100% motor load

Torque , T (lb-in or Nm): _____

Bending Moment, M (lb-in or Nm): _____

Radial Force, F (lbs or N): _____

200% motor load

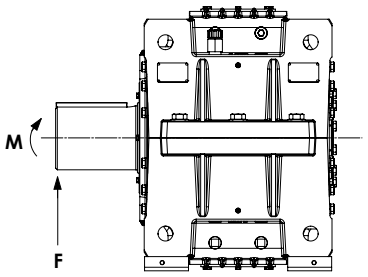
Torque , T (lb-in or Nm): _____

Bending Moment, M (lb-in or Nm): _____

Radial Force, F (lbs or N): _____

Torque Arm X Location: _____

Torque Arm Z Location: _____



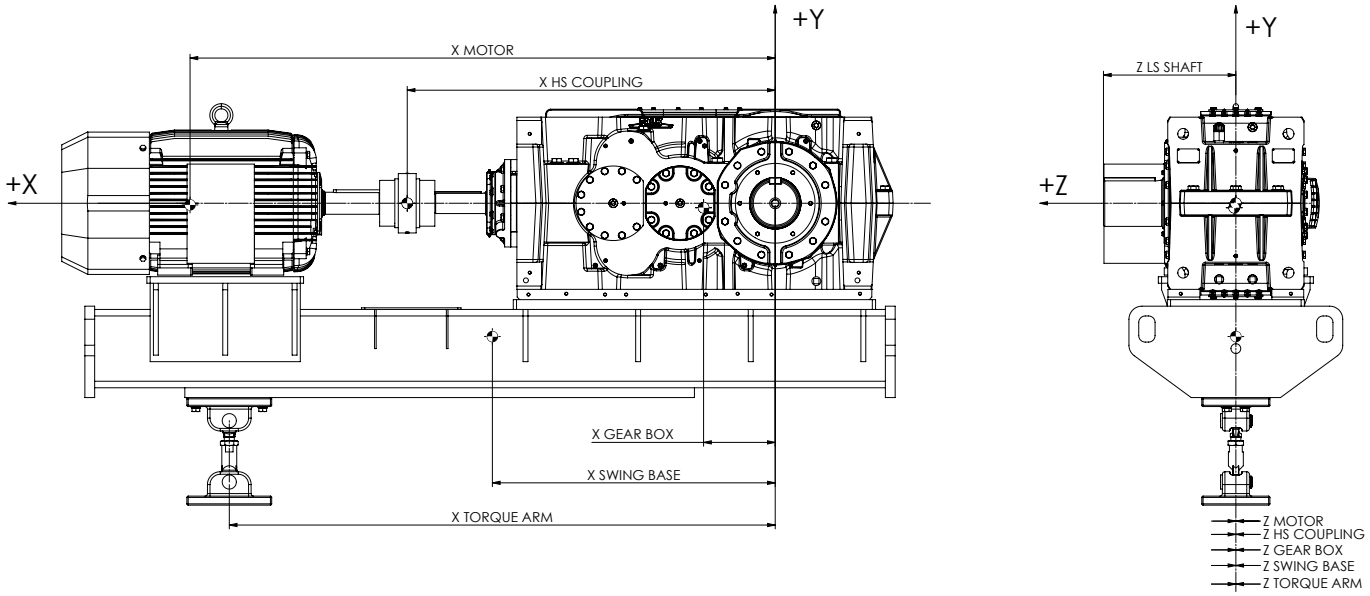
Continued Next Page

SECTION VII, PART B – REACTION LOAD INFORMATION (All information required for EITHER section A on previous page OR section B below.)

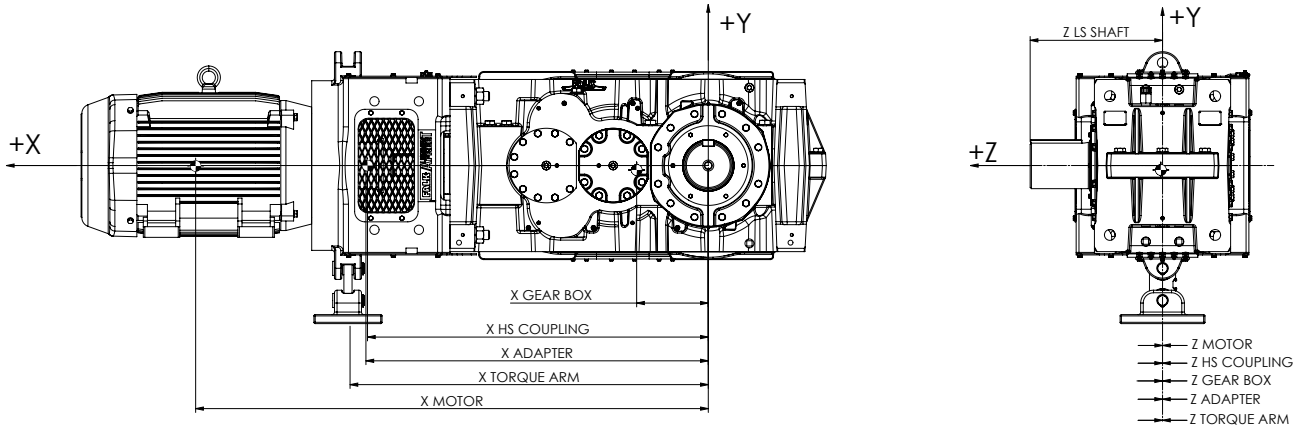
B. LOW SPEED SHAFT REACTION LOADS

Weights and Center of Gravity Locations for all the Configuration Components.

Swing Base Example Configuration



Alignment Free Drive Example Configuration



Center of Gravity Location Dimensions (from reference plane shown above)

	Weight (lbs or kg)	X Location (in or mm)	Z Location (in or mm)
Motor			
HS Coupling			
Gear Box			
End of Low Speed Shaft			
Swing Base/Adapter			
Torque Arm			
Accessory:			
Accessory:			
Accessory:			
Accessory:			

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Regal Rexnord

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regalrexnord.com

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