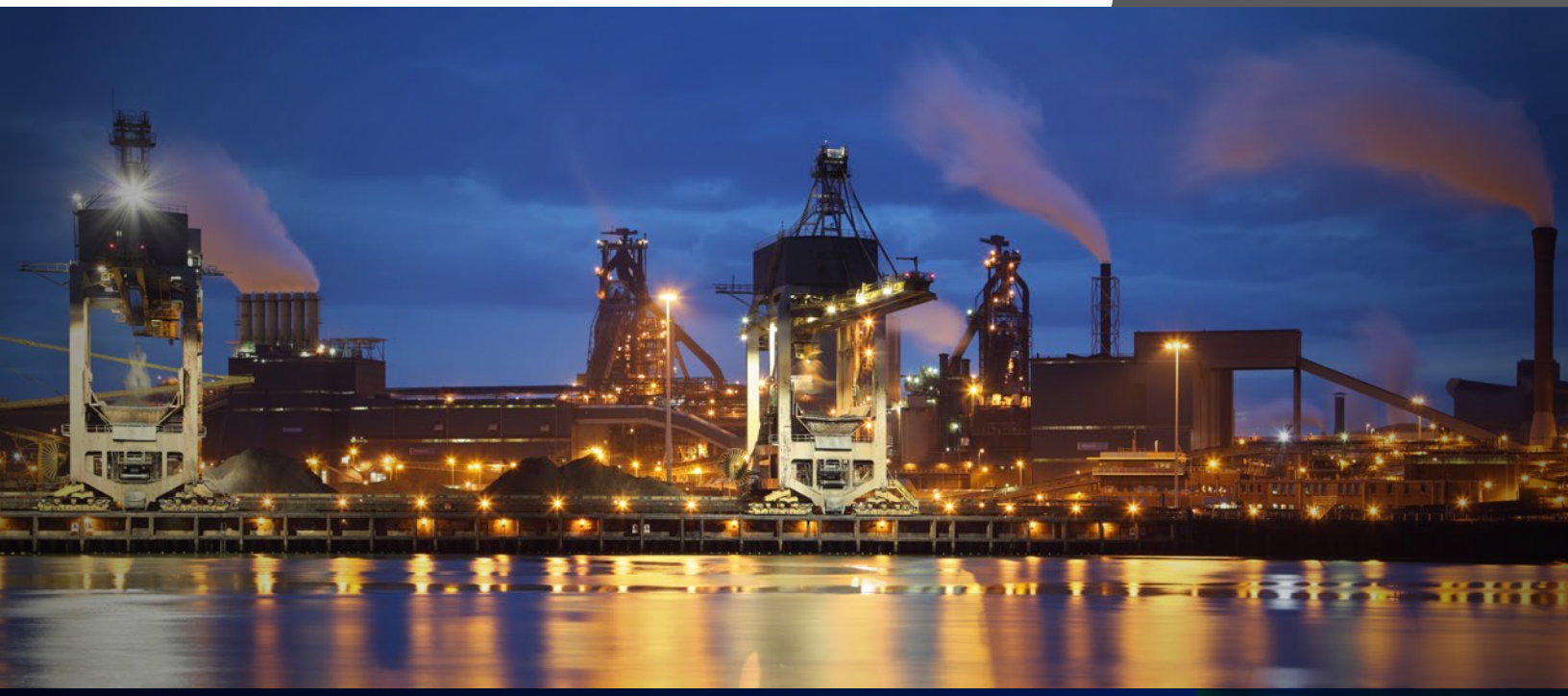
FALK®

PRODUCT CATALOG



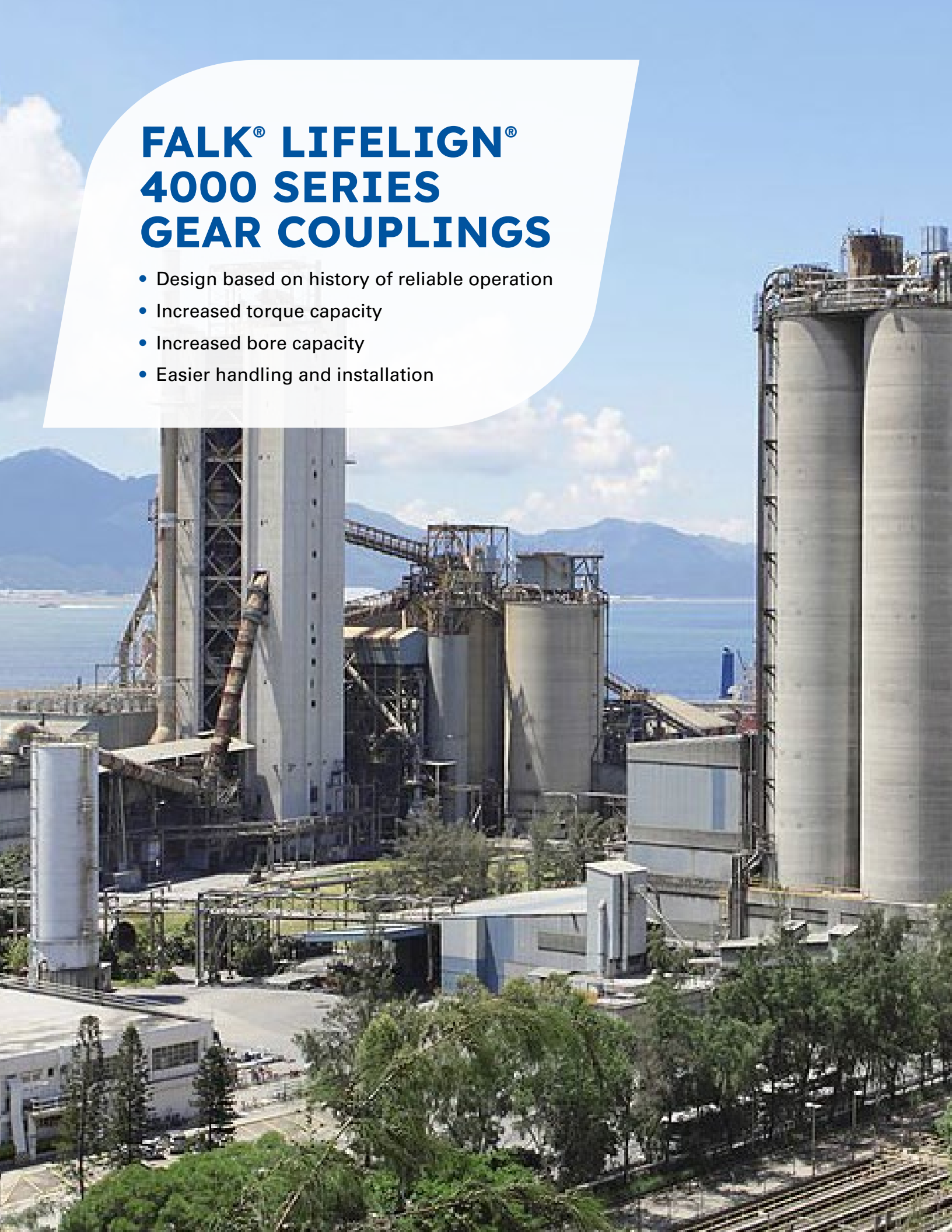
FALK® LIFELIGN® 4000 SERIES GEAR COUPLINGS

TECHNICAL DATA

RegalRexnord™

FALK® LIFELIGN® 4000 SERIES GEAR COUPLINGS

- Design based on history of reliable operation
- Increased torque capacity
- Increased bore capacity
- Easier handling and installation



FEATURES AND BENEFITS

PRODUCT SPECIFICATIONS

AVAILABLE in 16 sizes

ACCOMMODATES up to 3/8° of misalignment

BORE SIZES ranging from 6 in. (150 mm) to 47 in. (1200 mm)

TORQUE RATINGS from 2.875 to 143 (x10^6) lb.-in (325 to 16,156 kN•m)

OPTIMIZED HUB BODY TO BORE RATIO

- Keyed and keyless options with standard material

OPTIMIZED PRODUCT DESIGN

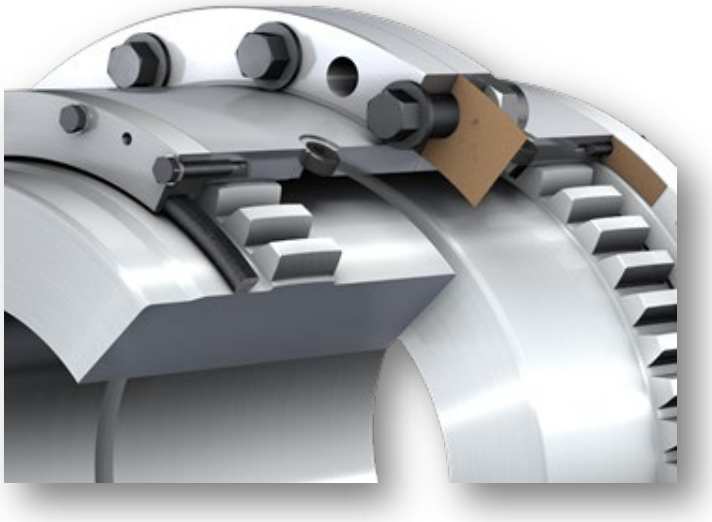
- Sizes concentrated around popular bore diameters
- High strength alloy steel

REDESIGNED TOOTH PROFILE

- Stronger more robust gearing
- Increased pitch diameter

MISALIGNMENT CAPACITY

- Static misalignment capacity of ±3/4° per gear mesh
- Coupling ratings based on ±3/8° per gear mesh
- Recommended operating alignment within ±1/8° per half coupling



REVISED CENTER FLANGE AND END RING BOLTING

- Grade 10.9 center flange fasteners with nut lock to facilitate installation
- Tight tolerance, precision drilled flange holes align components
- More compact overall design
- Available in exposed bolt only

LUBRICATION

- Falk® LTG Grease recommended in order to obtain maximum operating life
- Refer to Installation and Maintenance Manual for detailed information
- Each sleeve is supplied with 3 pipe plugs near the gear mesh for optimal distribution of lubricant

LIFELIGN® GEAR COUPLING NOMENCLATURE

4075

SIZE

G

PRODUCT CLASSIFICATION

Gear - Large Flanged Sleeve

20

TYPE (Exposed Bolts Only)

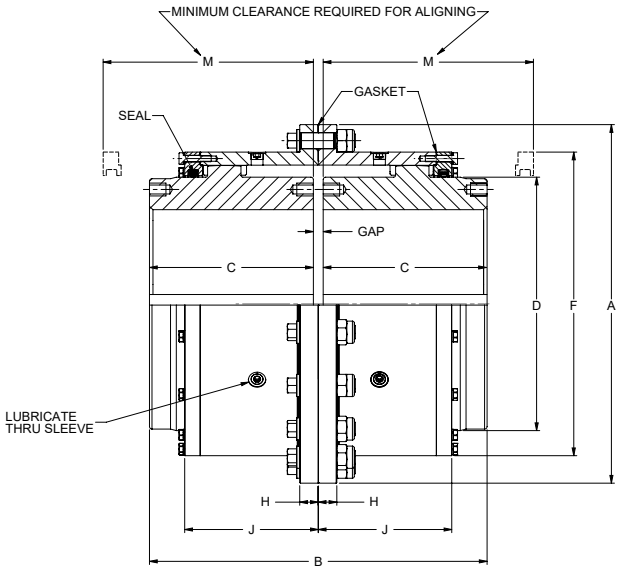
Type G20 = Double Engagement

Type G32 = Large Spacer

Type G52 = Single Engagement / Floating Shaft

TYPE G20 DOUBLE ENGAGEMENT

IMPERIAL



Type G20 Large Flanged Sleeve Double Engagement (Imperial)

Size	Torque Rating ①	Allow Speed STD (BAL) ②	Max Bore 1 Rect Key ③	Min Bore ④	Coupling Weight w/No Bore	Lube Weight	A	B	C	D	F	H	J	M	Gap ⑤
	lb-in (millions)	rpm	in	in	lb	lb	in	in	in	in	in	in	in	in	in
4075	2.875	720 (1800)	11.00	5.9	1,287	11	21.26	20.31	9.84	14.96	17.83	1.2	8.07	11.81	0.63
4085	3.675	640 (1640)	12.00	6.3	1,591	14	22.83	21.49	10.43	16.14	19.33	1.2	8.50	12.40	0.63
4095	5.030	600 (1540)	13.50	6.7	2,236	17	25.79	24.25	11.81	18.03	21.34	1.4	9.41	13.78	0.63
4105	6.500	560 (1410)	15.00	7.5	2,799	21	27.56	25.83	12.60	19.92	23.11	1.4	10.00	14.37	0.63
4115	8.715	520 (1260)	17.00	8.3	3,681	28	29.92	28.35	13.78	21.85	25.55	1.4	10.87	15.94	0.79
4125	10.600	480 (1150)	18.00	9.1	4,382	31	31.69	29.53	14.37	23.43	27.28	1.4	11.30	16.54	0.79
4135	13.275	440 (990)	19.00	9.8	5,471	37	33.86	32.29	15.75	25.00	29.02	1.6	12.48	17.72	0.79
4145	16.815	420 (820)	21.25	10.6	5,680	46	36.61	33.66	16.34	27.20	31.42	1.6	13.03	19.49	0.98
4155	21.021	380 (690)	22.25	11.2	7,845	58	38.78	34.84	16.93	28.98	33.62	1.6	13.50	20.47	0.98
4175	25.225	360 (520)	25.00	11.8	10,012	69	42.13	37.20	18.11	31.81	36.57	1.8	14.37	21.26	0.98
4195	33.600	320 (410)	26.25	13.4	13,199	87	46.26	41.34	20.08	34.57	39.76	2.0	15.79	24.41	1.18
4215	52.200	280 (310)	31.00	15.4	19,376	110	52.76	45.28	22.05	40.16	45.83	2.2	17.48	26.38	1.18
4235	61.070	272 (300)	33.25	16.5	22,525	150	55.91	47.04	22.83	42.44	48.82	2.2	18.19	27.56	1.38
4255	73.000	264 (280)	35.00	17.5	26,061	170	58.66	48.62	23.62	44.96	51.61	2.2	18.82	28.54	1.38
4275	97.300	236 (250)	38.25	19.7	35,147	220	64.76	53.34	25.98	49.92	57.01	2.6	20.47	31.10	1.38
4295	143.000	200 (230)	43.75	21.7	50,715	270	72.05	61.22	29.92	56.22	63.78	2.8	23.11	37.01	1.38

① Peak torque capacity is two times the published rating.

② Balanced coupling includes a pilot ring. Consult engineering for higher operating speeds.

③ Max bores for 18" shaft diameters and below, based on ANSI/AGMA 9002 key (keyway) sizes. For shafts greater than 18" shaft diameters, there is not an international standard defining key sizes. Max bores are with one rectangular keyway as shown in Table 6. Consult engineering when within 1/2" of max bore and a different keyway size.

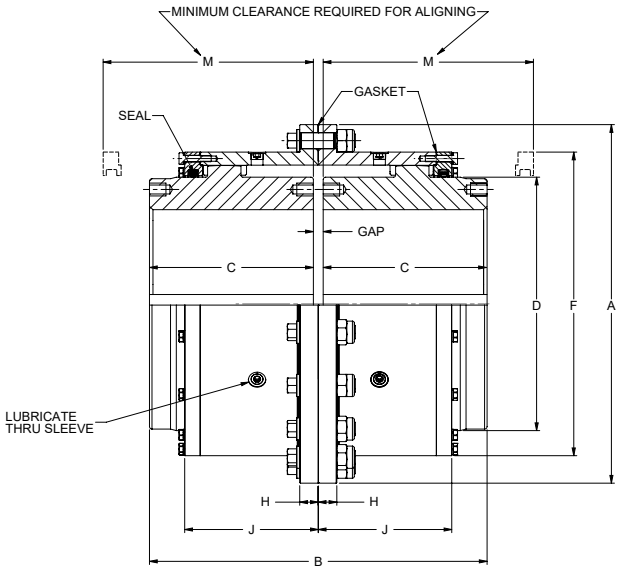
④ Minimum bore is the smallest bore to which a Rough Stock Bore (RSB) hub can be bored.

⑤ LEF gap / Design - Consult engineering.

Product Engineering E-mail: commercialoperations@regalrexnord.com

TYPE G20 DOUBLE ENGAGEMENT

METRIC



Type G20 Large Flanged Sleeve Double Engagement (Metric)

Size	Torque Rating ①	Allow Speed STD (BAL) ②	Max Bore 1 Rect Key ③	Min Bore ④	Coupling Weight w/No Bore	Lube Weight	A	B	C	D	F	H	J	M	Gap ⑤
	kNm	rpm	mm	mm	kg	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm
4075	325	720 (1800)	285	150	584	5	540	516	250	380	453	30	205	300	16
4085	415	640 (1640)	315	160	722	6	580	546	265	410	491	30	216	315	16
4095	568	600 (1540)	350	170	1,014	8	655	616	300	458	542	35	239	350	16
4105	734	560 (1410)	380	190	1,269	9	700	656	320	506	587	35	254	365	16
4115	985	520 (1260)	415	210	1,669	13	760	720	350	555	649	35	276	405	20
4125	1,198	480 (1150)	475	230	1,987	14	805	750	365	595	693	35	287	420	20
4135	1,500	440 (990)	510	250	2,481	17	860	820	400	635	737	40	317	450	20
4145	1,900	420 (820)	560	270	2,576	21	930	855	415	691	798	40	331	495	25
4155	2,375	380 (690)	590	285	3,558	26	985	885	430	736	854	40	343	520	25
4175	2,850	360 (520)	630	300	4,540	31	1,070	945	460	808	929	45	365	540	25
4195	3,796	320 (410)	700	340	5,986	40	1,175	1,050	510	878	1,010	52	401	620	30
4215	5,898	280 (310)	800	390	8,787	51	1,340	1,150	560	1,020	1,164	55	444	670	30
4235	6,900	272 (300)	870	420	10,216	70	1,420	1,195	580	1,078	1,240	55	462	700	35
4255	8,248	264 (280)	950	445	11,819	77	1,490	1,235	600	1,142	1,311	55	478	725	35
4275	10,993	236 (250)	1,050	500	15,940	99	1,645	1,355	660	1,268	1,448	65	520	790	35
4295	16,156	200 (230)	1,200	550	23,000	123	1,830	1,555	760	1,428	1,620	70	587	940	35

① Peak torque capacity is two times the published rating.

② Balanced coupling includes a pilot ring. Consult engineering for higher operating speeds.

③ Max bores for shaft sizes 500 mm and below - are based upon using one standard ANSI / AGMA 9112 key (keyway) sizes. Shafts sizes greater than 500 mm - there is not an international standard defining key (keyway) sizes. Consult Engineering if application is within 20 mm of the published max bore.

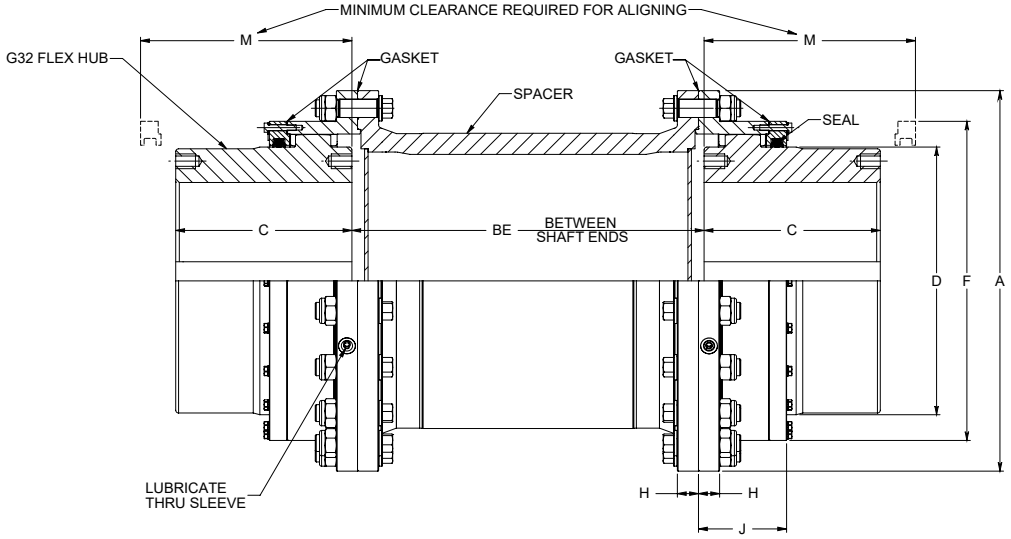
④ Minimum bore is the smallest bore to which a Rough Stock Bore (RSB) hub can be bored.

⑤ LEF gap / Design - Consult engineering.

Product Engineering E-mail: commercialoperations@regalrexnord.com

TYPE G32 LARGE SPACER

IMPERIAL



Type G32 Large Flanged Sleeve Spacer (Imperial)

Size	Torque Rating ①	Allowed Speed ②	Max Bore One Rect Key ③	Min Bore ④	BE Min ⑤	Coupling Weight		Lube Weight	A	C	D	F	H	J	M
						w/No Bore & Min BE	Per Inch Spacer Length								
	lb-in (millions)	rpm	in	in	in	lb	lb	lb	in	in	in	in	in	in	in
4075	2.875	570	11.00	5.9	8.50	991	16.2	4	21.26	9.84	14.96	17.83	1.2	4.92	11.81
4085	3.675	520	12.00	6.3	8.50	1,153	17.9	4	22.83	10.43	16.14	19.33	1.2	5.12	12.40
4095	5.030	470	13.50	6.7	9.72	1,597	23.0	6	25.79	11.81	18.03	21.34	1.4	5.51	13.78
4105	6.500	420	15.00	7.5	9.72	1,980	25.2	6	27.56	12.60	19.92	23.11	1.4	5.71	14.37
4115	8.715	390	17.00	8.3	9.88	2,590	31.4	8	29.92	13.78	21.85	25.55	1.4	6.10	15.94
4125	10.600	360	18.00	9.1	9.88	3,003	34.2	9	31.69	14.37	23.43	27.28	1.4	6.50	16.54
4135	13.275	330	19.00	9.8	11.02	3,805	45.9	10	33.86	15.75	25.00	29.02	1.6	7.09	17.72
4145	16.815	310	21.25	10.6	11.54	4,542	49.3	12	36.61	16.34	27.20	31.42	1.6	7.48	19.49
4155	21.021	290	22.25	11.2	11.54	5,341	52.6	17	38.78	16.93	28.98	33.62	1.6	7.87	20.47
4175	25.225	260	25.00	11.8	12.68	6,930	58.2	20	42.13	18.11	31.81	36.57	1.8	8.27	21.26
4195	33.600	240	26.25	13.4	14.57	9,181	75.6	25	46.26	20.08	34.57	39.76	2.0	9.29	24.41
4215	52.200	210	31.00	15.4	15.51	13,459	94.7	30	52.76	22.05	40.16	45.83	2.2	10.20	26.38
4235	61.070	200	33.25	16.5	15.71	14,979	100.8	40	55.91	22.83	42.44	48.82	2.2	10.79	27.56
4255	73.000	190	35.00	17.5	15.71	16,271	114.8	44	58.66	23.62	44.96	51.61	2.2	11.18	28.54
4275	97.300	170	38.25	19.7	17.76	22,248	145.6	53	64.76	25.98	49.92	57.01	2.6	11.97	31.10
4295	143.000	152	43.75	21.7	18.98	30,278	193.8	73	72.05	29.92	56.22	63.78	2.8	13.15	37.01

① Peak torque capacity is two times the published rating.

② Speed rating is based upon a BE = 71" or less - Consult engineering for BE values greater than 71" or greater than table speed rating.

③ Max bores for 18" shaft diameters and below, based on ANSI/AGMA 9002 key (keyway) sizes. For shafts greater than 18" shaft diameters, there is not an international standard defining key sizes. Max bores are with one rectangular keyway as shown in Table 6. Consult engineering when within 1/2" of max bore and a different keyway size.

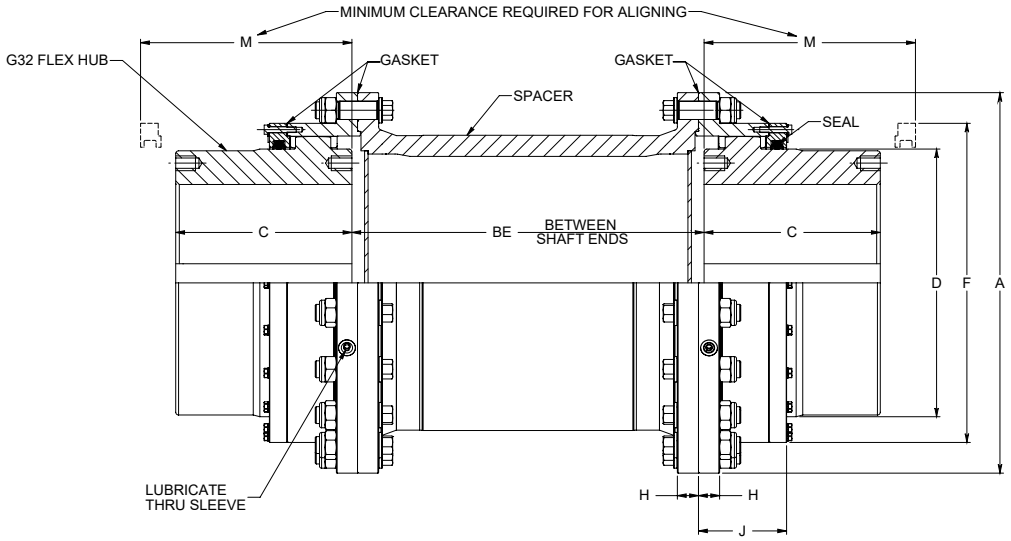
④ Minimum bore is the smallest bore to which a Rough Stock Bore (RSB) hub can be bored.

⑤ LEF Design - Consult engineering.

Product Engineering E-mail: commercialoperations@regalrexnord.com

TYPE G32 LARGE SPACER

METRIC



Type G32 Large Flanged Sleeve Spacer (Metric)

Size	Torque Rating ①	Allowed Speed ②	Max Bore One Rect Key ③	Min Bore ④	BE Min ⑤	Coupling Weight		Lube Weight	A	C	D	F	H	J	M
						w/No Bore & Min BE	Per (10 mm) Spacer Length								
	kNm	rpm	mm	mm	mm	kg	kg	kg	mm	mm	mm	mm	mm	mm	mm
4075	325	570	285	150	216	450	2.9	2	540	250	380	453	30	125	300
4085	415	520	315	160	216	523	3.2	2	580	265	410	491	30	130	315
4095	568	470	350	170	247	724	4.1	3	655	300	458	542	35	140	350
4105	734	420	380	190	247	898	4.5	3	700	320	506	587	35	145	365
4115	985	390	415	210	251	1,175	5.6	4	760	350	555	649	35	155	405
4125	1,198	360	475	230	251	1,362	6.1	4	805	365	595	693	35	165	420
4135	1,500	330	510	250	280	1,726	8.2	5	860	400	635	737	40	180	450
4145	1,900	310	560	270	293	2,060	8.8	6	930	415	691	798	40	190	495
4155	2,375	290	590	285	293	2,422	9,4	8	985	430	736	854	40	200	520
4175	2,850	260	630	300	322	3,143	10.4	9	1,070	460	808	929	45	210	540
4195	3,796	240	700	340	370	4,163	13.5	12	1,175	510	878	1,010	52	236	620
4215	5,898	210	800	390	394	6,104	16.9	14	1,340	560	1,020	1,164	55	259	670
4235	6,900	200	870	420	399	6,793	18.0	18	1,420	580	1,078	1,240	55	274	700
4255	8,248	190	950	445	399	7,379	20.5	20	1,490	600	1,142	1,311	55	284	725
4275	10,993	170	1050	500	451	10,090	26.0	24	1,645	660	1,268	1,448	65	304	790
4295	16,156	152	1200	550	482	13,732	34.6	33	1,830	760	1,428	1,620	70	334	940

① Peak torque capacity is two times the published rating.

② Speed rating is based upon a BE = 1800 mm or less - Consult engineering for BE values greater than 1800 mm or greater than table speed rating.

③ Max bores for shaft sizes 500 mm and below - are based upon using one standard ANSI / AGMA 9112 key (keyway) sizes. Shafts sizes greater than 500 mm - there is not an international standard defining key (keyway) sizes. Consult engineering if application is within 20 mm of the published max bore.

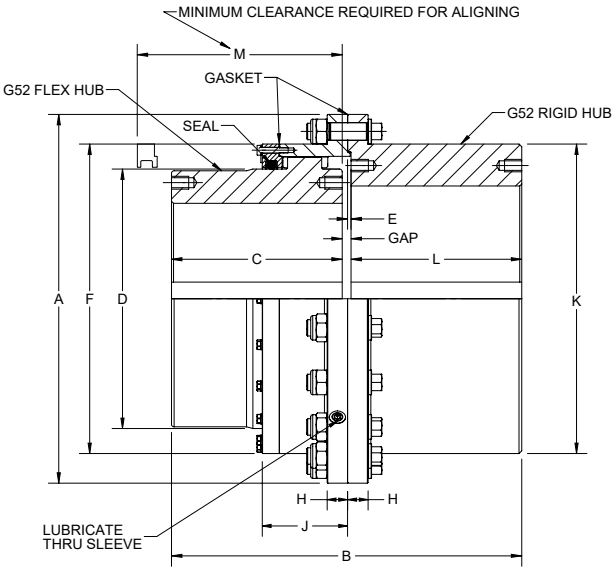
④ Minimum bore is the smallest bore to which a Rough Stock Bore (RSB) hub can be bored.

⑤ LEF Design - Consult engineering.

Product Engineering E-mail: commercialoperations@regalrexnord.com

TYPE G52 LARGE SINGLE ENGAGEMENT

IMPERIAL



Type G52 Large Flanged Sleeve Single Engagement (Imperial)

Size	Torque Rating ①	Allowed Speed ②	Max Bore 1 Rect Key		Min Bore		Coupling Weight w/No Bores	Lube Weight	A	B	C	D	E	F	H	J	K	L	M	Gap
			Rigid ③	Flex ③	Rigid ④	Flex ④														
	lb-in (millions)	rpm	in	in	in	in	lb	lb	in	in	in	in	in	in	in	in	in	in	in	in
4075	2.875	570	13.00	11.00	6.7	5.9	1,347	4	21.26	20.20	9.84	14.96	0.20	17.83	1.2	4.92	17.83	9.84	11.81	0.51
4085	3.675	520	14.75	12.00	7.3	6.3	1,663	4	22.83	21.38	10.43	16.14	0.20	19.33	1.2	5.12	19.33	10.43	12.40	0.51
4095	5.030	470	16.25	13.50	8.1	6.7	2,328	6	25.79	24.13	11.81	18.03	0.20	21.34	1.4	5.51	21.34	11.81	13.78	0.51
4105	6.500	420	18.00	15.00	8.7	7.5	2,908	6	27.56	25.71	12.60	19.92	0.20	23.11	1.4	5.71	23.11	12.60	14.37	0.51
4115	8.715	390	19.50	17.00	9.7	8.3	3,834	8	29.92	28.15	13.78	21.85	0.20	25.55	1.4	6.10	25.55	13.78	15.94	0.59
4125	10.600	360	21.25	18.00	10.2	9.1	4,553	9	31.69	29.33	14.37	23.43	0.20	27.28	1.4	6.50	27.28	14.37	16.54	0.59
4135	13.275	330	22.50	19.00	10.8	9.8	5,651	10	33.86	32.20	15.75	25.00	0.31	29.02	1.6	7.09	29.02	15.75	17.72	0.71
4145	16.815	310	24.75	21.25	11.8	10.6	6,888	12	36.61	33.48	16.34	27.20	0.31	31.42	1.6	7.48	31.42	16.34	19.49	0.81
4155	21.021	290	26.00	22.25	12.8	11.2	8,128	17	38.78	34.67	16.93	28.98	0.31	33.62	1.6	7.87	33.62	16.93	20.47	0.81
4175	25.225	260	28.25	25.00	13.8	11.8	10,399	20	42.13	37.03	18.11	31.81	0.31	36.57	1.8	8.27	36.57	18.11	21.26	0.81
4195	33.600	240	30.50	26.25	15.0	13.4	13,708	25	46.26	41.06	20.08	34.57	0.31	39.76	2.0	9.29	39.76	20.08	24.41	0.91
4215	52.200	210	35.75	31.00	17.1	15.4	19,995	30	52.76	45.00	22.05	40.16	0.31	45.83	2.2	10.20	45.83	22.05	26.38	0.91
4235	61.070	200	38.00	33.25	18.3	16.5	23,360	40	55.91	46.67	22.83	42.44	0.31	48.82	2.2	10.79	48.82	22.83	27.56	1.00
4255	73.000	190	40.00	35.00	19.3	17.5	26,965	44	58.66	48.25	23.62	44.96	0.31	51.61	2.2	11.18	51.61	23.62	28.54	1.00
4275	97.300	170	44.50	38.25	21.5	19.7	36,241	53	64.76	53.05	25.98	49.92	0.39	57.01	2.6	11.97	57.01	25.98	31.10	1.08
4295	143.000	152	50.00	43.75	24.0	21.7	51,732	73	72.05	60.93	29.92	56.22	0.39	63.78	2.8	13.15	63.78	29.92	37.01	1.08

① Peak torque capacity is two times the published rating.

② When coupling is mounted on a floating shaft, do not exceed allowable shaft speed for the assembly.

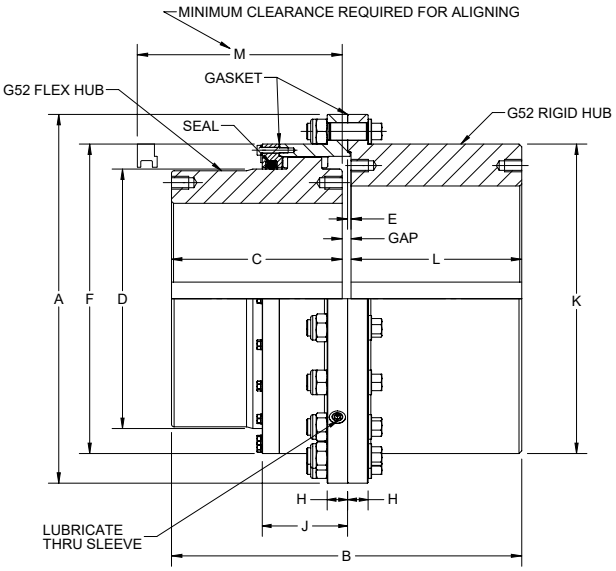
③ Max bores for 18" shaft diameters and below, based on ANSI/AGMA 9002 key (keyway) sizes. For shafts greater than 18" shaft diameters, there is not an international standard defining key sizes. Max bores are with one rectangular keyway as shown in Table 6. Consult engineering when within 1/2" of max bore and a different keyway size.

④ Minimum bore is the smallest bore to which a Rough Stock Bore (RSB) hub can be bored.

Product Engineering E-mail: commercialoperations@regalrexnord.com

TYPE G52 LARGE SINGLE ENGAGEMENT

METRIC



Type G52 Large Flanged Sleeve Single Engagement (Metric)

Size	Torque Rating ①	Allowed Speed ②	Max Bore 1 Rect Key		Min Bore		Coupling Weight w/No Bore	Lube Weight	A	B	C	D	E	F	H	J	K	L	M	Gap
			Rigid ③	Flex ③	Rigid ④	Flex ④														
	kNm	rpm	mm	mm	mm	mm	kg	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
4075	325	570	340	285	170	150	611	2	540	513	250	380	5	453	30	125	453	250	300	13
4085	415	520	370	315	185	160	754	2	580	543	265	410	5	491	30	130	491	265	315	13
4095	568	470	405	350	205	170	1,056	3	655	613	300	458	5	542	35	140	542	300	350	13
4105	734	420	440	380	220	190	1,319	3	700	653	320	506	5	587	35	145	587	320	365	13
4115	985	390	485	415	245	210	1,739	4	760	715	350	555	5	649	35	155	649	350	405	15
4125	1,198	360	520	475	260	230	2,065	4	805	745	365	595	5	693	35	165	693	365	420	15
4135	1,500	330	550	510	275	250	2,563	5	860	818	400	635	8	737	40	180	737	400	450	18
4145	1,900	310	600	560	300	270	3,124	6	930	851	415	691	8	798	40	190	798	415	495	20.5
4155	2,375	290	650	590	325	285	3,686	8	985	881	430	736	8	854	40	200	854	430	520	20.5
4175	2,850	260	695	630	350	300	4,716	9	1,070	941	460	808	8	929	45	210	929	460	540	20.5
4195	3,796	240	755	700	380	340	6,217	12	1,175	1,043	510	878	8	1,010	52	236	1,010	510	620	23
4215	5,898	210	870	800	435	290	9,068	14	1,340	1,143	560	1,020	8	1,164	55	259	1,164	560	670	23
4235	6,900	200	930	870	465	420	10,594	18	1,420	1,186	580	1,078	8	1,240	55	274	1,240	580	700	25.5
4255	8,248	190	980	950	490	445	12,229	20	1,490	1,226	600	1,142	8	1,311	55	284	1,311	600	725	25.5
4275	10,993	170	1,085	1,050	545	500	16,436	24	1,645	1,348	660	1,268	10	1,448	65	304	1,448	660	790	27.5
4295	16,156	152	1,215	1,200	610	550	23,461	33	1,830	1,548	760	1,428	10	1,620	70	334	1,620	760	940	27.5

① Peak torque capacity is two times the published rating.

② When coupling is mounted on a floating shaft, do not exceed allowable shaft speed for the assembly.

③ Max bores for shaft sizes 500 mm and below - are based upon using one standard ANSI / AGMA 9112 key (keyway) sizes. Shafts sizes greater than 500 mm - there is not an international standard defining key (keyway) sizes. Consult engineering if application is within 20 mm of the published max bore.

④ Minimum bore is the smallest bore to which a Rough Stock Bore (RSB) hub can be bored.

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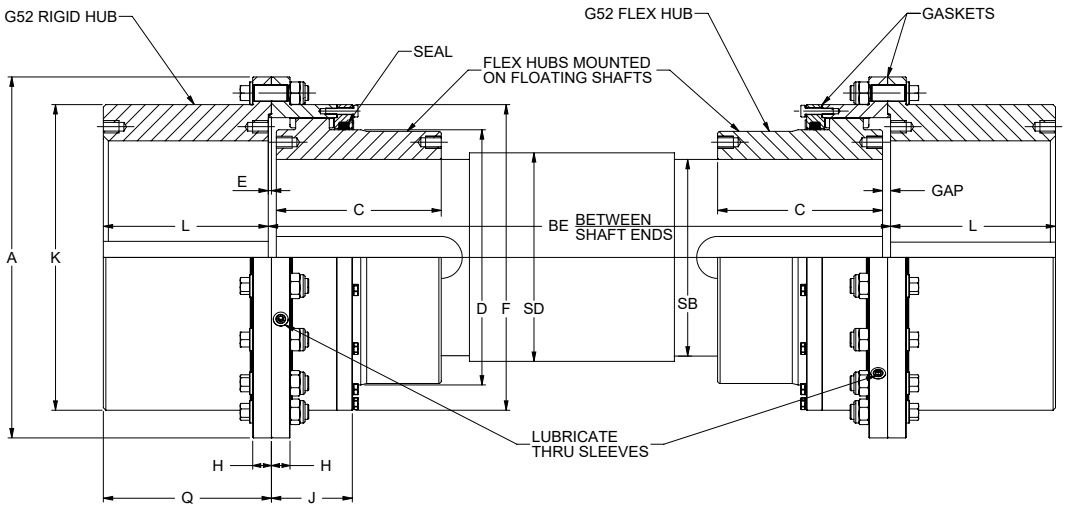
TYPE G52 LARGE FLOATING SHAFT

IMPERIAL



Type G52 Large Flanged Sleeve Floating Shaft (Imperial)

Size	Torque Rating ①	Allowed Speed ②③	Max Bore 1 Rect Key		Min Bore		Wt-One Coupling No Bore	Lube Weight	BE Min		A	C	D	E	F	H	J	K	L	M	Gap
			Rigid ④	Flex ④	Rigid ⑤	Flex ⑤			RFFR	FRRF											
	lb-in (millions)	rpm	in	in	in	in	lb	lb	in	in	in	in	in	in	in	in	in	in	in	in	in
4075	2.875	570	13.00	11.00	7	6	1,347	4	24.65	20.71	21.26	9.84	14.96	0.20	17.83	1.2	4.92	17.83	9.84	11.81	0.51
4085	3.675	520	14.75	12.00	7	6	1,663	4	25.83	21.89	22.83	10.43	16.14	0.20	19.33	1.2	5.12	19.33	10.43	12.40	0.51
4095	5.030	470	16.25	13.50	8	7	2,328	6	28.58	24.65	25.79	11.81	18.03	0.20	21.34	1.4	5.51	21.34	11.81	13.78	0.51
4105	6.500	420	18.00	15.00	9	7	2,908	6	29.76	26.22	27.56	12.60	19.92	0.20	23.11	1.4	5.71	23.11	12.60	14.37	0.51
4115	8.715	390	19.50	17.00	10	8	3,834	8	33.07	28.74	29.92	13.78	21.85	0.20	25.55	1.4	6.10	25.55	13.78	15.94	0.59
4125	10.600	360	21.25	18.00	10	9	4,553	9	34.25	29.92	31.69	14.37	23.43	0.20	27.28	1.4	6.50	27.28	14.37	16.54	0.59
4135	13.275	330	22.50	19.00	11	10	5,651	10	36.85	32.68	33.86	15.75	25.00	0.31	29.02	1.6	7.09	29.02	15.63	17.72	0.71
4145	16.815	310	24.75	21.25	12	10	6,888	12	40.59	34.06	36.61	16.34	27.20	0.31	31.42	1.6	7.48	31.42	16.22	19.49	0.81
4155	21.021	290	26.00	22.25	13	11	8,128	17	42.56	35.24	38.78	16.93	28.98	0.31	33.62	1.6	7.87	33.62	16.81	20.47	0.81
4175	25.225	260	28.25	25.00	14	12	10,399	20	44.13	37.99	42.13	18.11	31.81	0.31	36.57	1.8	8.27	36.57	18.19	21.26	0.81
4195	33.600	240	30.50	26.25	15	13	13,708	25	50.63	42.13	46.26	20.08	34.57	0.31	39.76	2.0	9.29	39.76	20.16	24.41	0.91
4215	52.200	210	35.75	31.00	17	15	19,995	30	54.57	46.06	52.76	22.05	40.16	0.31	45.83	2.2	10.20	45.83	22.13	26.38	0.91
4235	61.070	200	38.00	33.25	18	16	23,360	40	57.13	47.83	55.91	22.83	42.44	0.31	48.82	2.2	10.79	48.82	22.91	27.56	1.00
4255	73.000	190	40.00	35.00	19	17	26,965	44	59.09	49.41	58.66	23.62	44.96	0.31	51.61	2.2	11.18	51.61	23.70	28.54	1.00
4275	97.300	170	44.50	38.25	21	19	36,241	53	64.37	54.13	64.76	25.98	49.92	0.39	57.01	2.6	11.97	57.01	25.98	31.10	1.08
4295	143.000	152	50.00	43.75	24	21	51,732	73	76.18	62.01	72.05	29.92	56.22	0.39	63.78	2.8	13.15	63.78	29.92	37.01	1.08

① Rating does not include the rating of the floating shaft. Peak torque capacity is two times the published rating.

② Speed rating is based upon a BE = 71" with no balancing. Consult engineering for BE values greater than 71" or greater operating speeds.

③ The allowable speed for floating shaft assemblies is the smaller value of either the critical speed of the selected floating shaft or the cataloged speed of the selected size coupling. The allowable operating speed should be based on torque, misalignment, balance and other operating requirements for the specific application. If higher speeds are required or special application requirements must be met, consult engineering.

④ For shafts larger than 18" (per ANSI/AGMA 9002) there is no international standard defining key sizes. Actual application dimensions must be checked and verified over 18" shaft diameters. Recommended key sizes for the listed max bores are shown in Tables 6 and 7. Consult engineering if at max bore with different keyway size.

⑤ Minimum bore is the smallest bore to which a Rough Stock Bore (RSB) hub can be bored.

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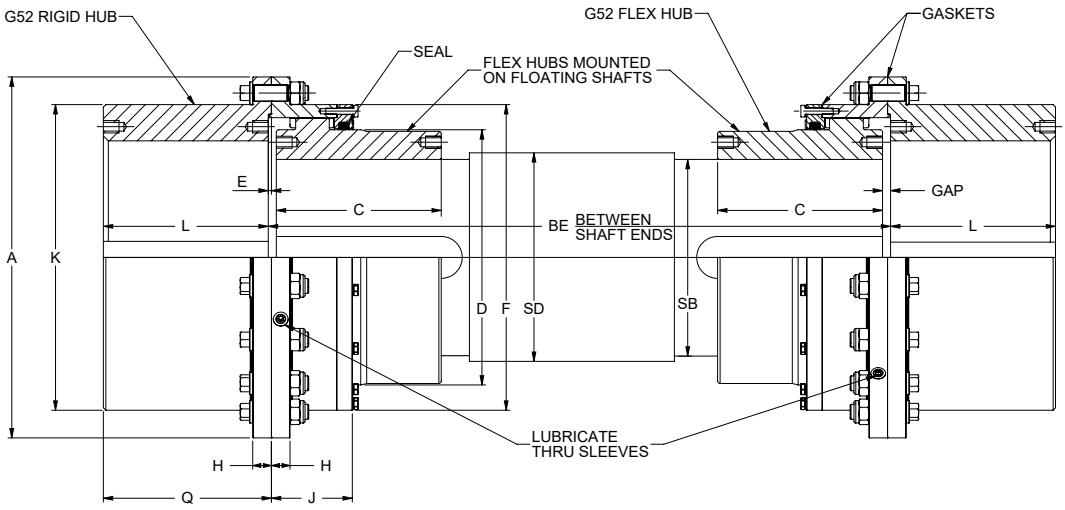
TYPE G52 LARGE FLOATING SHAFT

METRIC



Type G52 Large Flanged Sleeve Floating Shaft (Metric)

Size	Torque Rating ①	Allowed Speed ②③	Max Bore 1 Rect Key		Min Bore		Wt-One Coupling No Bore	Lube Weight	BE Min		A	C	D	E	F	H	J	K	L	M	Gap
			Rigid ④	Flex ④	Rigid ⑤	Flex ⑤			RFFR	FRRF											
	kNm	rpm	mm	mm	mm	mm	kg	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
4075	325	570	340	285	170	150	611	2	626	526	540	250	380	5	453	30	125	453	250	300	13
4085	415	520	370	315	185	160	754	2	656	556	580	265	410	5	491	30	130	491	265	315	13
4095	568	470	405	350	205	170	1,056	3	726	626	655	300	458	5	542	35	140	542	300	350	13
4105	734	420	440	380	220	190	1,319	3	756	666	700	320	506	5	587	35	145	587	320	365	13
4115	985	390	485	415	245	210	1,739	4	840	730	760	350	555	5	649	35	155	649	350	405	15
4125	1,198	360	520	475	260	230	2,065	4	870	760	805	365	595	5	693	35	165	693	365	420	15
4135	1,500	330	550	510	275	250	2,563	5	936	830	860	400	635	8	737	40	180	737	400	450	18
4145	1,900	310	600	560	300	270	3,124	6	1,031	865	930	415	691	8	798	40	190	798	415	495	21
4155	2,375	290	650	590	325	285	3,686	8	1,081	895	985	430	736	8	854	40	200	854	430	520	21
4175	2,850	260	695	630	350	300	4,716	9	1,121	965	1,070	460	808	8	929	45	210	929	460	540	21
4195	3,796	240	755	700	380	340	6,217	12	1,286	1,070	1,175	510	878	8	1,010	52	236	1,010	510	620	23
4215	5,898	210	870	800	435	390	9,068	14	1,386	1,170	1,340	560	1,020	8	1,164	55	259	1,164	560	670	23
4235	6,900	200	930	870	465	420	10,594	18	1,451	1,215	1,420	580	1,078	8	1,240	55	274	1,240	580	700	26
4255	8,248	190	980	950	490	445	12,229	20	1,501	1,255	1,490	600	1,142	8	1,311	55	284	1,311	600	725	26
4275	10,993	170	1,085	1,050	545	500	16,436	24	1,635	1,375	1,645	660	1,268	10	1,448	65	304	1,448	660	790	28
4295	16,156	152	1,215	1,200	610	550	23,461	33	1,935	1,575	1,830	760	1,428	10	1,620	70	334	1,620	760	940	28

① Rating does not include the rating of the Floating Shaft. Peak torque capacity is two times the published rating.

② Speed rating is based upon a BE = 1800 mm or less. Consult engineering for BE values greater than 1800 mm or greater than table speed rating.

③ The allowable speed for floating shaft assemblies is the smaller value of either the critical speed of the selected floating shaft or the cataloged speed of the selected size coupling. The allowable operating speed should be based on torque, misalignment, balance and other operating requirements for the specific application. If higher speeds are required or special application requirements must be met, consult engineering.

④ Max bores for shaft sizes 500 mm and below - are based upon using one standard ANSI / AGMA 9112 key (keyway) sizes. Shafts sizes greater than 500 mm - there is not an international standard defining key (keyway) sizes. Consult engineering if application is within 20 mm of the published max bore.

⑤ Minimum bore is the smallest bore to which a Rough Stock Bore (RSB) hub can be bored.

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ENGINEERING DATA - LARGE FLANGED SLEEVE

IMPERIAL & METRIC

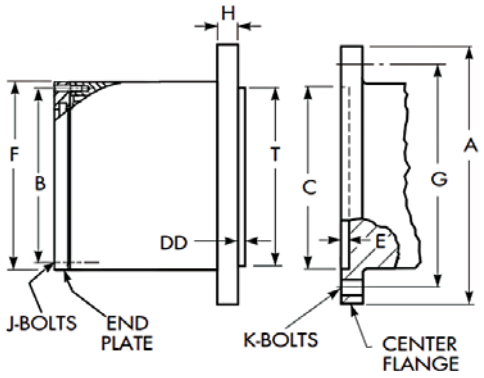


Table 1 – Flange Details

Size	A		B		C		E		DD		F		G		H		J-Bolts No. Dia x Length (Per Sleeve)	K-Bolts No. Dia x Length (Per Flange)	T	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm*	mm*	in	mm
4075	21.26	540	17.13	435.0	16.93	430	0.20	5	0.16	4	17.83	453	19.29	490	1.18	30	10 - M8 x 40	16 - M24 X 90	16.93	430
4085	22.83	580	18.50	470.0	18.11	460	0.20	5	0.16	4	19.33	491	20.79	528	1.18	30	14 - M10 x 45	18 - M24 X 90	18.11	460
4095	25.79	655	20.45	519.5	20.08	510	0.20	5	0.16	4	21.34	542	23.19	589	1.38	35	16 - M10 x 45	16 - M30 x 105	20.08	510
4105	27.56	700	22.28	566.0	22.05	560	0.20	5	0.16	4	23.11	587	24.96	634	1.38	35	16 - M10 x 45	18 - M30 x 105	22.05	560
4115	29.92	760	24.61	625.0	24.21	615	0.20	5	0.16	4	25.55	649	27.40	696	1.38	35	24 - M12 x 45	22 - M30 x 105	24.21	615
4125	31.69	805	26.26	667.0	25.79	655	0.20	5	0.16	4	27.28	693	29.13	740	1.38	35	32 - M12 x 45	24 - M30 x 105	25.79	655
4135	33.86	860	27.91	709.0	27.56	700	0.31	8	0.28	7	29.02	737	31.02	788	1.57	40	24 - M14 x 50	22 - M33 x 120	27.56	700
4145	36.61	930	30.30	769.5	29.92	760	0.31	8	0.28	7	31.42	798	33.62	854	1.57	40	24 - M14 x 50	22 - M36 x 125	29.92	760
4155	38.78	985	32.42	823.5	32.09	815	0.31	8	0.28	7	33.62	854	35.83	910	1.57	40	42 - M12 x 50	26 - M36 x 125	32.09	815
4175	42.13	1,070	35.31	897.0	35.04	890	0.31	8	0.28	7	36.57	929	38.98	990	1.77	45	36 - M16 x 60	24 - M39 x 135	35.04	890
4195	46.26	1,175	38.33	973.5	37.80	960	0.31	8	0.28	7	39.76	1,010	42.56	1,081	2.05	52	38 - M16 x 60	24 - M45 x 155	37.80	960
4215	52.76	1,340	44.19	1,122.5	43.50	1,105	0.31	8	0.28	7	45.83	1,164	48.82	1,240	2.17	55	26 - M20 x 75	26 - M48 x 165	43.50	1,105
4235	55.91	1,420	47.11	1,196.5	46.26	1,175	0.31	8	0.28	7	48.82	1,240	51.81	1,316	2.17	55	26 - M20 x 75	28 - M48 x 165	46.26	1,175
4255	58.66	1,490	49.76	1,264.0	48.82	1,240	0.31	8	0.28	7	51.61	1,311	54.61	1,387	2.17	55	22 - M22 x 75	32 - M48 x 165	48.82	1,240
4275	64.76	1,645	54.98	1,396.5	54.13	1,375	0.39	10	0.35	9	57.01	1,448	60.20	1,529	2.56	65	26 - M20 x 75	32 - M52 x 190	54.13	1,375
4295	72.05	1,830	61.52	1,562.5	60.63	1,540	0.39	10	0.35	9	63.78	1,620	67.17	1,706	2.76	70	36 - M22 x 80	36 - M56 x 205	60.63	1,540

* These are metric threads and cannot be represented correctly in inches.

Table 2 – Torsional Stiffness

Size	G20		G52		Type G20		Type G52	
	Flex Half	Full Flex	Flex Half	Rigid Flex	Flex Half	Full Flex	Flex Half	Rigid Flex
	(x 10^6 lb-in/radian)				(MNm/radian)			
4075	2,174	1,388	2,396	1,957	246	271	157	221
4085	2,735	1,790	2,955	2,435	309	334	202	275
4095	3,965	2,511	4,383	3,531	448	495	284	399
4105	4,716	3,007	5,428	4,401	533	613	340	497
4115	6,882	4,280	7,911	6,327	778	894	484	715
4125	8,290	5,239	9,433	7,602	937	1,066	592	859
4135	10,150	6,360	11,643	9,308	1,147	1,315	719	1,052
4145	13,082	8,163	15,200	12,141	1,478	1,717	922	1,372
4155	16,457	10,231	19,002	15,195	1,859	2,147	1,156	1,717
4175	20,203	12,830	23,485	18,972	2,283	2,653	1,450	2,144
4195	26,758	16,907	30,756	24,695	3,023	3,475	1,910	2,790
4215	43,467	27,315	50,573	40,273	4,911	5,714	3,086	4,550
4235	53,158	33,219	61,598	49,201	6,006	6,959	3,753	5,559
4255	64,981	40,604	75,090	59,788	7,342	8,484	4,587	6,755
4275	86,706	54,790	100,521	80,541	9,796	11,357	6,190	9,100
4295	124,505	77,477	146,497	116,038	14,067	16,551	8,753	13,110

Table 3 – WR^2 Values

WR^2 values are based on hubs with no bore.

Size	Type G20		Type G52	
	lb-in²	kg•m²	lb-in²	kg•m²
4075	51,535	15	54,812	16
4085	74,020	22	78,465	23
4095	129,410	38	136,658	40
4105	187,230	55	197,428	58
4115	295,285	86	312,810	92
4125	398,275	117	420,857	123
4135	566,820	166	594,193	174
4145	809,305	237	849,590	249
4155	1,079,930	316	1,139,084	333
4175	1,637,750	479	1,729,016	506
4195	2,578,445	755	2,718,211	795
4215	5,013,780	1,467	5,240,459	1,534
4235	6,554,275	1,918	6,908,529	2,022
4255	8,453,845	2,474	8,877,358	2,598
4275	13,957,510	4,085	14,591,601	4,270
4295	25,081,495	7,340	26,140,444	7,650

ENGINEERING DATA - LARGE FLANGED SLEEVE

IMPERIAL & METRIC

Table 4 – Flex & Rigid Hub Puller Bolt Holes

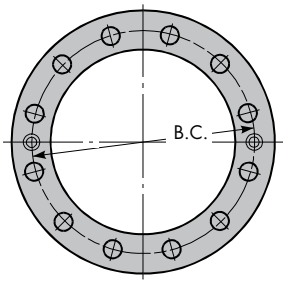
Size	Flex Hub - Puller Holes					Rigid Hub - Puller Holes				
	Tap Size	Depth		B.C. Dia.		Tap Size	Depth		B.C. Dia.	
	mm*	in	mm	in	mm	mm*	in	mm	in	mm
4075	M16 x 2	0.98	25	13.39	340	M16 x 2	0.98	25	15.35	390
4085	M16 x 2	0.98	25	14.57	370	M16 x 2	0.98	25	16.54	420
4095	M16 x 2	0.98	25	16.34	415	M16 x 2	0.98	25	18.11	460
4105	M20 x 2.5	1.18	30	18.11	460	M20 x 2.5	1.18	30	19.69	500
4115	M24 x 3	1.57	40	19.69	500	M24 x 3	1.57	40	21.65	550
4125	M24 x 3	1.57	40	21.26	540	M24 x 3	1.57	40	22.83	580
4135	M24 x 3	1.57	40	22.83	580	M24 x 3	1.57	40	24.02	610
4145	M30 x 3.5	1.77	45	24.61	625	M30 x 3.5	1.77	45	26.38	670
4155	M30 x 3.5	1.77	45	25.98	660	M30 x 3.5	1.77	45	28.35	720
4175	M36 x 4	2.17	55	28.74	730	M36 x 4	2.17	55	31.50	800
4195	M36 x 4	2.17	55	31.50	800	M36 x 4	2.17	55	33.46	850
4215	M42 x 4.5	2.56	65	36.22	920	M42 x 4.5	2.56	65	39.37	1,000
4235	M42 x 4.5	2.56	65	38.58	980	M42 x 4.5	2.56	65	41.34	1,050
4255	M42 x 4.5	2.56	65	40.94	1,040	M42 x 4.5	2.56	65	43.31	1,100
4275	M48 x 5	2.95	75	45.67	1,160	M48 x 5	2.95	75	49.21	1,250
4295	M48 x 5	2.95	75	51.18	1,300	M48 x 5	2.95	75	55.12	1,400

* These are metric threads and cannot be represented correctly in inches.

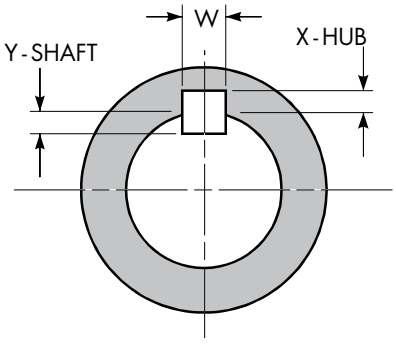
Table 5 – Sleeve Jack Screw Holes

Size	Flange B.C.		Tap Size	End Ring B.C.		Tap Size
	in	mm	mm*	in	mm	mm*
4075	19.29	490	M24 x 3	17.13	435	M8 x 1.25
4085	20.79	528	M24 x 3	18.50	470	M10 x 1.5
4095	23.19	589	M30 x 3.5	20.45	519.5	M10 x 1.5
4105	24.96	634	M30 x 3.5	22.28	566	M10 x 1.5
4115	27.40	696	M30 x 3.5	24.61	625	M12 x 1.75
4125	29.13	740	M30 x 3.5	26.26	667	M12 x 1.75
4135	31.02	788	M33 x 3.5	27.91	709	M14 x 2
4145	33.62	854	M36 x 4	30.30	769.5	M14 x 2
4155	35.83	910	M36 x 4	32.42	823.5	M14 x 2
4175	38.98	990	M39 x 4	35.31	897	M16 x 2
4195	42.56	1,081	M45 x 4.5	38.33	973.5	M16 x 2
4215	48.82	1,240	M48 x 5	44.19	1122.5	M20 x 2.5
4235	51.81	1,316	M48 x 5	47.11	1196.5	M20 x 2.5
4255	54.61	1,387	M48 x 5	49.76	1264	M22 x 2.5
4275	60.20	1,529	M56 x 5.5	54.98	1396.5	M22 x 2.5
4295	67.17	1,706	M56 x 5.5	61.52	1562.5	M22 x 2.5

* These are metric threads and cannot be represented correctly in inches.



Jacking Screw B.C.



Check Key Stresses

Table 6 – Flex Hub Maximum Bores (in)

FLEX HUB WITH ONE KEY						
Size	Max Bore	Square Key Y = X		Max Bore	Rectangular Key Y = X	
		W	X		W	X
4075	10.00	2.500	1.250	11.00	2.500	0.875
4085	11.00	2.500	1.250	12.00	3.000	1.000
4095	13.00	3.000	1.500	13.50	3.500	1.250
4105	14.00	3.500	1.750	15.00	3.500	1.250
4115	15.50	4.000	2.000	17.00	4.000	1.500
4125	17.25	4.000	2.000	18.00	5.000	1.750
4135	18.00	4.000	2.000	19.00	5.000	1.750
4145	19.25	5.000	2.500	21.25	5.000	1.750
4155	20.75	5.000	2.500	22.25	6.000	2.000
4175	22.00	6.000	3.000	25.00	6.000	2.000
4195	24.75	6.000	3.000	26.25	7.000	2.500
4215	28.75	7.000	3.500	31.00	8.000	2.750
4235	29.75	7.000	3.500	33.25	8.000	2.750
4255	32.00	8.000	4.000	35.00	9.000	3.000
4275	35.25	9.000	4.500	38.25	10.000	3.500
4295	40.00	10.000	5.000	43.75	11.000	3.750

Table 7 – Type G Large Flanged Sleeve Rigid Hub Maximum Bores (in)

RIGID HUB WITH ONE KEY						
Size	Max Bore	Square Key Y = X		Max Bore	Rectangular Key Y = X	
		W	X		W	X
4075	12.50	3.00	1.50	13.00	3.50	1.25
4085	13.25	3.50	1.75	14.75	3.50	1.25
4095	15.00	3.50	1.75	16.25	4,00	1.50
4105	16.75	4.00	2.00	18.00	4,00	1.50
4115	18.00	4,00	2.00	19.50	5.00	1.75
4125	19.25	5.00	2.50	21.25	5.00	1.75
4135	21.00	5.00	2.50	22.50	6.00	2.00
4145	22.00	5.00	2.50	24.75	6.00	2.00
4155	24.00	6.00	3.00	26.00	6.00	2.00
4175	26.00	6.00	3.00	28.25	7.00	2.50
4195	28.25	7.00	3.50	30.50	8.00	2.75
4215	32.75	8.00	4.00	35.75	9.00	3.00
4235	34.25	9.00	4.50	38.00	9.00	3.00
4255	37.00	9.00	4.50	40.00	10.00	3.50
4275	40.75	10.00	5.00	44.50	11.00	3.75
4295	45.75	11.00	5.50	50.00	12.00	4.00

ENGINEERING DATA - LARGE FLANGED SLEEVE

IMPERIAL & METRIC

Table 8 – Recommended Bore Tolerances Steel Coupling Hubs (mm)

Shaft Diameter (ISO/R775-1969)		Bore Diameter Tolerance		
Nominal	Tolerance	Clearance	Transitional	Interference
6 to 30	j6/k6 ①	F7	H7	M6
Over 30 to 50	k6	F7	H7	K6
Over 50 to 80	m6	F7	H7	K7
Over 80 to 100	m6	F7	H7	M7
Over 100 to 200	m6	F7	H7	P7
Over 200 to 355	m6	F7	H7	R7
Over 355 to 500	m6	F7	H7	R8

① Per DIN 748 — Differs with ISO/R775.

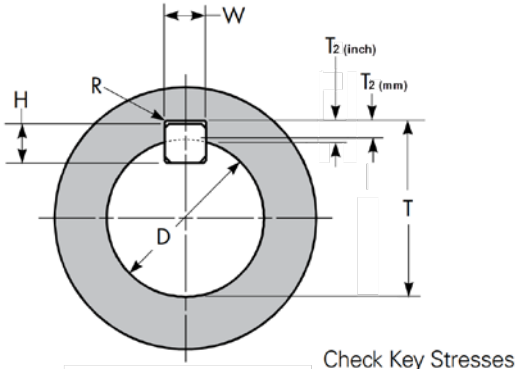


Table 9 – Inch Key & Keyway Dimensions (Per ANSI B17.1 Standard)

Shaft Diameter		KEY SIZE	KEYWAY SIZE
Over	Thru	W x H	W x T_2 (Inch)
5.5	6.5	1.500 x 1.500	1.500 x .750
6.5	7.5	1.750 x 1.500	1.750 x .750
7.5	9	2.000 x 1.500	2.000 x .750
9	11	2.500 x 1.750	2.500 x .875
11	13	3.000 x 2.000	3.000 x 1.000
13	15	3.500 x 2.500	3.500 x 1.250
15	18	4.000 x 3.000	4.000 x 1.500
18	22	5.000 x 3.500	5.000 x 1.750
22	26	6.000 x 4.000	6.000 x 2.000
26	30	7.000 x 5.000	7.000 x 2.500
30	34	8.000 x 5.500	8.000 x 2.750
34	38	9.000 x 6.000	9.000 x 3.000
38	42	10.000 x 7.000	10.000 x 3.500
42	46	11.000 x 7.500	11.000 x 3.750

Table 9 – Millimeter Key & Keyway Dimensions (Per ISO R773 Standard)

Shaft Diameter		KEY SIZE	KEYWAY SIZE
Over	Thru	W x H	W x T_2 (mm)
150	170	40 x 22	40 x 9.4
170	200	45 x 25	45 x 10.4
200	230	50 x 28	50 x 11.4
230	260	56 x 32	56 x 12.4
260	290	63 x 32	63 x 12.4
290	330	70 x 36	70 x 14.4
330	380	80 x 40	80 x 15.4
380	440	90 x 45	90 x 17.4
440	500	100 x 50	100 x 19.5

Standard Filleted Keyways & Chamfered Keys

It is general practice in industry to supply coupling hubs with minimum fillet radii in the keyway corners to permit the use of standard commercial keys without chamfered edges. Regal Rexnord will cut filleted keyways when specified in accordance with the established industry standards as shown in **Table 10** at no extra charge.

Table 10 – Standard Filleted Keyways & Chamfered Keys (in)

Normal Bore		Key		Hub Keyway			
Over	Thru	Size (Nominal)	45° Chamfer Suggested	Width	Width Tol	Depth ① +.005 to +.020	Fillet Radii
4.000	4.500	1.000 x 1.000	0.078	1.000	+.0030 / -.0000	0.500	0.062
4.500	5.500	1.250 x 1.250	0.156	1.250	+.0035 / -.0000	0.625	0.125
5.500	6.500	1.500 x 1.500	0.156	1.500		0.750	0.125
6.500	7.500	1.750 x 1.500	0.156	1.750	+.0040 / -.0000	0.750	0.125
7.500	9.000	2.000 x 1.500	0.156	2.000		0.750	0.125
9.000	11.000	2.500 x 1.750	0.156	2.500	+.0045 / -.0000	0.875	0.125
11.000	13.000	3.000 x 2.000	0.219	3.000		1.000	0.188
13.000	15.000	3.500 x 2.500	0.219	3.500	+.0050 / -.0000	1.250	0.188
15.000	18.000	4.000 x 3.000	0.281	4.000		1.500	0.250
18.000	22.000	5.000 x 3.500	0.281	5.000	+.0060 / -.0000	1.750	0.250
22.000	26.000	6.000 x 4.000	0.406	6.000		2.000	0.375
26.000	30.000	7.000 x 5.000	0.406	7.000	+.0060 / -.0000	2.500	0.375

① Shallow keyway depths must be equal or exceed 2/3 of the full keyway depth of the square keys shown above.

ENGINEERING DATA - MISALIGNMENT

IMPERIAL & METRIC

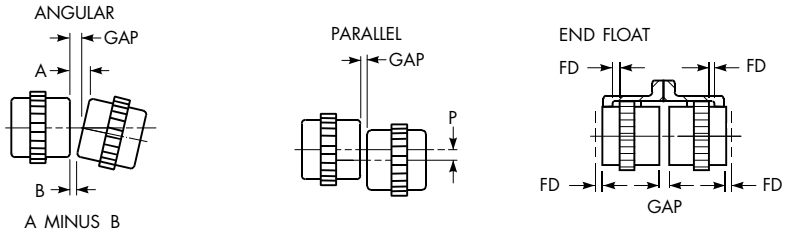


Table 11 – Misalignment & End Float – Double Engagement Couplings

Size	Angular Alignment Limits						Parallel Alignment Limits						End Float					
	Installation 1/16° Per Mesh		Operating ① 3/8° Per Mesh		Static ① 3/4° Per Mesh		Installation 1/16° Per Mesh		Operating ① 3/8° Per Mesh		Static ① 3/4° Per Mesh		Std FD		Normal Gap ±10%		Physical Limit (Min)	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
4075	0.016	0.42	0.099	2.51	0.197	5.02	0.012	0.31	0.074	1.89	0.223	5.66	0.315	8	0.63	16	1.260	32
4085	0.018	0.45	0.107	2.71	0.213	5.41	0.013	0.33	0.079	2.01	0.237	6.02	0.315	8	0.63	16	1.260	32
4095	0.020	0.50	0.119	3.02	0.238	6.05	0.015	0.38	0.089	2.27	0.268	6.81	0.315	8	0.63	16	1.260	32
4105	0.022	0.56	0.131	3.34	0.263	6.68	0.016	0.40	0.096	2.43	0.287	7.28	0.315	8	0.63	16	1.260	32
4115	0.024	0.61	0.144	3.66	0.288	7.33	0.017	0.44	0.104	2.65	0.312	7.94	0.394	10	0.79	20	1.577	40
4125	0.026	0.65	0.155	3.93	0.309	7.86	0.018	0.46	0.109	2.76	0.326	8.27	0.394	10	0.79	20	1.577	40
4135	0.028	0.70	0.165	4.19	0.330	8.38	0.020	0.50	0.119	3.03	0.358	9.08	0.394	10	0.79	20	1.577	40
4145	0.030	0.76	0.180	4.56	0.359	9.12	0.021	0.52	0.123	3.13	0.370	9.40	0.492	12.5	0.98	25	1.964	50
4155	0.032	0.81	0.191	4.86	0.383	9.72	0.021	0.54	0.128	3.25	0.384	9.76	0.492	12.5	0.98	25	1.964	50
4175	0.035	0.89	0.210	5.33	0.420	10.67	0.023	0.58	0.137	3.48	0.411	10.45	0.492	12.5	0.98	25	1.964	50
4195	0.038	0.97	0.228	5.80	0.456	11.59	0.025	0.64	0.152	3.85	0.455	11.56	0.591	15.0	1.18	30	2.361	60
4215	0.044	1.12	0.265	6.73	0.530	13.46	0.028	0.71	0.167	4.24	0.500	12.71	0.591	15.0	1.18	30	2.361	60
4235	0.047	1.19	0.280	7.11	0.560	14.23	0.029	0.73	0.173	4.39	0.518	13.16	0.689	17.5	1.38	35	2.758	70
4255	0.049	1.26	0.297	7.54	0.593	15.07	0.030	0.76	0.179	4.55	0.537	13.64	0.689	17.5	1.38	35	2.758	70
4275	0.055	1.39	0.329	8.37	0.659	16.74	0.033	0.83	0.197	4.99	0.590	14.98	0.689	17.5	1.38	35	2.758	70
4295	0.062	1.57	0.371	9.42	0.742	18.85	0.038	0.96	0.226	5.75	0.679	17.24	0.689	17.5	1.38	35	2.758	70

① These maximum operating alignment limits are each based on 3/8° per flex half coupling. Combined values of parallel and angular misalignment should not exceed 3/8°. Application requirements in excess of these values should be referred to the factory for review.

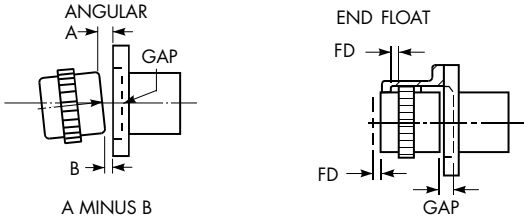


Table 12 – Misalignment & End Float – Single Engagement Couplings

Size	Angular Alignment Limits						End Float							
	Installation 1/8° Per Mesh		Operating ① 3/8° Per Mesh		Static ① 3/4° Per Mesh		Std FD		Normal Shaft Gap		Normal Face Gap (X)		Physical Limit (Min) FD + Gap	
	A Minus B		A Minus B		A Minus B									
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
4075	0.033	0.84	0.049	1.25	0.099	2.51	0.315	8	0.51	13	0.31	8	0.83	21
4085	0.036	0.90	0.053	1.35	0.107	2.71	0.315	8	0.51	13	0.31	8	0.83	21
4095	0.040	1.01	0.059	1.51	0.119	3.02	0.315	8	0.51	13	0.31	8	0.83	21
4105	0.044	1.11	0.066	1.67	0.131	3.34	0.315	8	0.51	13	0.31	8	0.83	21
4115	0.048	1.22	0.072	1.83	0.144	3.66	0.394	10	0.59	15	0.39	10	0.98	25
4125	0.052	1.31	0.077	1.96	0.155	3.93	0.394	10	0.59	15	0.39	10	0.98	25
4135	0.055	1.40	0.083	2.10	0.165	4.19	0.394	10	0.71	18	0.39	10	1.10	28
4145	0.060	1.52	0.090	2.28	0.180	4.56	0.492	12.5	0.81	20.5	0.49	12.5	1.30	33
4155	0.064	1.62	0.096	2.43	0.191	4.86	0.492	12.5	0.81	20.5	0.49	12.5	1.30	33
4175	0.070	1.78	0.105	2.67	0.210	5.33	0.492	12.5	0.81	20.5	0.49	12.5	1.30	33
4195	0.076	1.93	0.114	2.90	0.228	5.80	0.591	15.0	0.91	23.0	0.59	15.0	1.50	38
4215	0.088	2.24	0.133	3.37	0.265	6.73	0.591	15.0	0.91	23.0	0.59	15.0	1.50	38
4235	0.093	2.37	0.140	3.56	0.280	7.11	0.689	17.5	1.00	25.5	0.69	17.5	1.69	43
4255	0.099	2.51	0.148	3.77	0.297	7.54	0.689	17.5	1.00	25.5	0.69	17.5	1.69	43
4275	0.110	2.79	0.165	4.18	0.329	8.37	0.689	17.5	1.08	27.5	0.69	17.5	1.77	45
4295	0.124	3.14	0.186	4.71	0.371	9.42	0.689	17.5	1.08	27.5	0.69	17.5	1.77	45

① Do not use single engagement couplings to compensate for parallel offset misalignment.

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