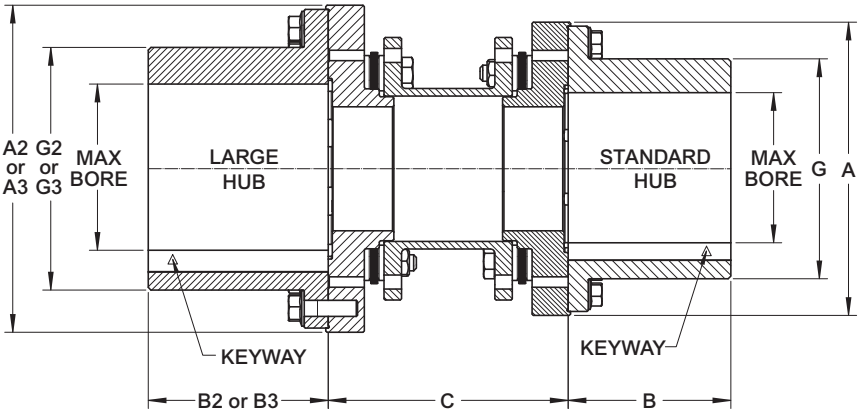
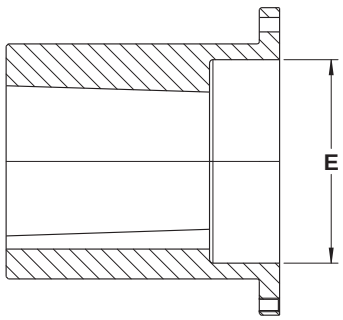
The optimized 3-piece design allows for the smallest possible package for an application. The hubs are pilot fitted to the factory assembled center member. The design allows for repeatable installations without special tooling. Additional modifications may be made to reduce coupling weight, or special mountings to make it an economical option on various critical and high speed applications. Common engineered solutions are available such as torque overload protection, electrically insulated, spark resistant and alloy construction.

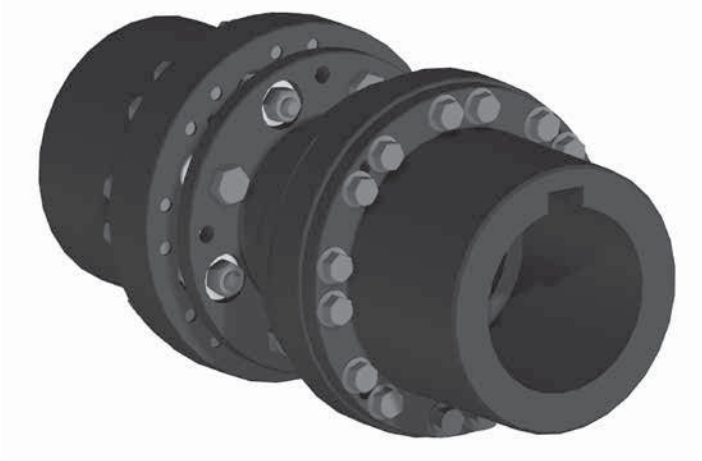
The XTSR71 couplings are designed for spacer type coupling critical applications including API applications. The XTSR71 couplings are API 610 and ISO 14691 compliant, API 671 (ISO 10441) compliant when specified, and ATEX II 2GD c T6 certified. Common applications include motor and turbine driven pumps, compressors, fans, synchronized rollers, wire feeders and blowers.

Construction

Hubs and Center assembly: Carbon steel
Bolts: Alloy steel
Disc Packs: Stainless steel. Max misalignment is 2/3° per disc pack for sizes 494 & 644, 1/2° per disc pack for sizes 726-996, and 1/3° per disc pack for sizes 1088-5258.
Coatings Available: Manganese Phosphate provided as standard. Other coatings available upon request.







NOTE: Dimensions subject to change. Certified dimensions of ordered material furnished on request.

Example Selection:

1. Select coupling size 1088 for 19,000 lb·in torque and 2.5 in pump shaft diameter.
2. Select XXL 2nd hub for 3.5 in motor shaft diameter.
3. Therefore, coupling is a 1088 XTSR71 XXL.

1088 XTSR71 XXL has one hub with 2.88 in max bore and one hub with 4 in max bore.

General Coupling Data

An optional one size larger XL hub or two sizes larger XXL hub is available to increase bore capacity.

Size	Max.Cont. Torque (lb•in) ⑤	③ Std Hub Max. Bore	③ XL Hub Max. Bore	③ XXL Hub Max. Bore	Min. C (in)	⑥⑦ Max. C (in)	Max. Speed (rpm)		① Axial Capacity (in)	Max Counter Bore E (in)
							④ Not Balanced	Balanced		
494	750	1.13	1.50	1.63	2.56	6.40	13,800	23,000	±0.05	1.25
644	1,280	1.50	–	2.00	2.68	10.50	12,500	21,500	±0.07	1.88
726	2,630	1.63	2.00	2.38	2.56	15.68	12,000	20,000	±0.05	2.08
826	4,900	2.00	2.38	2.88	3.03	15.89	10,900	18,500	±0.06	2.58
996	8,210	2.38	2.88	3.38	3.62	32.30	9,800	15,000	±0.07	3.03
1088	19,400	2.88	3.38	4.00	3.78	32.28	9,000	14,000	±0.05	3.47
1298	31,400	3.38	4.00	4.50	4.53	32.80	8,000	12,000	±0.06	4.13
1548	52,300	4.00	4.50	5.00	5.31	33.33	7,100	10,000	±0.07	4.86
1698	72,500	4.50	5.00	5.50	5.94	33.65	6,600	9,100	±0.08	5.60
1928	98,200	5.00	5.50	6.00	6.34	33.87	6,100	8,500	±0.09	6.17
2068	136,000	5.50	6.00	6.50	7.36	34.59	5,800	7,800	±0.10	6.70
2278	176,000	6.00	6.50	7.75	7.72	34.69	5,500	7,100	±0.11	7.42
2468	232,000	6.50	7.75	8.63	8.23	34.99	5,200	6,500	±0.12	7.85
2698	318,000	7.75	8.63	9.13	9.29	47.62	4,800	6,000	±0.13	9.69
2888	416,000	8.63	9.13	10.00	10.04	48.09	4,600	5,700	±0.14	10.69
3058	461,000	9.13	10.00	11.00	10.12	48.13	4,400	5,400	±0.15	11.73
3358	622,000	10.00	11.00	11.50	11.30	48.85	4,200	4,700	±0.16	12.37
3668	834,000	11.00	11.50	12.25	12.20	49.34	3,900	4,400	±0.17	13.97
3908	909,000	11.50	12.25	14.00	12.24	49.39	3,800	4,100	±0.19	14.85
4178	1,130,000	12.25	14.00	15.00	13.39	50.11	3,600	3,900	±0.20	15.64
4588	1,670,000	14.00	15.00	16.00	15.20	47.13	3,400	3,600	±0.22	17.72
4918	2,080,000	15.00	16.00	–	16.06	47.60	3,200	3,300	±0.23	19.21
5258	2,510,000	16.00	–	–	17.24	48.31	3,100	3,100	±0.25	20.19

Size	Std A (in)	XL A2 (in)	XXL A3 (in)	Std B (in)	XL B2 (in)	XXL B3 (in)	Std G (in)	XL G2 (in)	XXL G3 (in)	② Std Weight (lb)	Weight Change Per in of "C" (lb/in)	② WR^2 ($lb•in^2$)
494	2.77	3.36	3.74	0.79	0.98	1.38	1.65	2.28	2.32	3.47	0.088	3.15
644	3.36	–	4.25	0.98	–	1.65	2.28	–	2.87	5.50	0.137	7.62
726	3.74	4.25	5.08	1.38	1.65	2.01	2.32	2.87	3.39	6.83	0.174	12.4
826	4.25	5.08	5.51	1.65	2.01	3.23	2.87	3.39	4.09	11.0	0.300	26.3
996	5.08	5.51	6.54	2.01	3.23	3.74	3.39	4.09	4.84	18.5	0.281	64.2
1088	5.51	6.54	7.83	3.23	3.74	4.49	4.09	4.84	5.71	27.6	0.541	115
1298	6.54	7.83	8.66	3.74	4.49	4.80	4.84	5.71	6.50	45.4	0.661	272
1548	7.83	8.66	9.66	4.49	4.80	5.31	5.71	6.50	7.17	76.3	0.901	646
1698	8.66	9.66	10.39	4.80	5.31	6.10	6.50	7.17	7.87	104	1.20	1,090
1928	9.66	10.39	11.44	5.31	6.10	6.57	7.17	7.87	8.66	138	1.40	1,820
2068	10.39	11.44	12.32	6.10	6.57	7.48	7.87	8.66	9.29	187	1.82	2,870
2278	11.44	12.32	13.58	6.57	7.48	7.28	8.66	9.29	11.02	243	2.11	4,440
2468	12.32	13.58	15.00	7.48	7.28	7.87	9.29	11.02	12.13	315	2.52	6,630
2698	13.58	15.00	15.94	7.28	7.87	7.52	11.02	12.13	13.07	406	3.20	11,300
2888	15.00	15.94	17.20	7.87	7.52	8.86	12.13	13.07	13.98	567	4.01	18,300
3058	15.94	17.20	18.98	7.52	8.86	10.12	13.07	13.98	15.67	604	4.05	23,200
3358	17.20	18.98	19.80	8.86	10.12	9.80	13.98	15.67	16.50	807	5.08	35,500
3668	18.98	19.80	20.83	10.12	9.80	10.47	15.67	16.50	17.48	1,150	6.23	60,100
3908	19.80	20.83	23.94	9.80	10.47	11.81	16.50	17.48	19.84	1,180	6.21	71,400
4178	20.83	23.94	25.51	10.47	11.81	12.60	17.48	19.84	21.46	1,430	7.28	96,000
4588	23.94	25.51	26.69	11.81	12.60	13.62	19.84	21.46	22.64	2,190	10.0	185,000
4918	25.51	26.69	–	12.60	13.62	–	21.46	22.64	–	2,650	11.8	260,000
5258	26.69	–	–	13.62	–	–	22.64	–	–	3,130	13.1	341,000

① All Thomas disc couplings meet NEMA frame sleeve bearing motor specifications without modification or the addition of end-float restricting devices.
② Weight and WR2 of couplings with standard adapters at maximum bore and minimum "C" dimension listed.
③ Consult Rexnord for minimum rough bore sizes.
④ XTSR71 couplings meet AGMA Class 9 balance requirements as manufactured with interference fit bore and close fit keyway. If clearance fit and/or setscrews are required, consult Rexnord.
⑤ Peak Overload Torque (lb • in) is twice the Maximum Continuous Torque.
⑥ Consult Rexnord on C lengths greater than 34.99" for sizes 2698-5258.
⑦ If larger C lengths are required than the listed maxes, refer to XTSRLS71 page.

 NOTE: Dimensions subject to change. Certified dimensions of ordered material furnished on request.

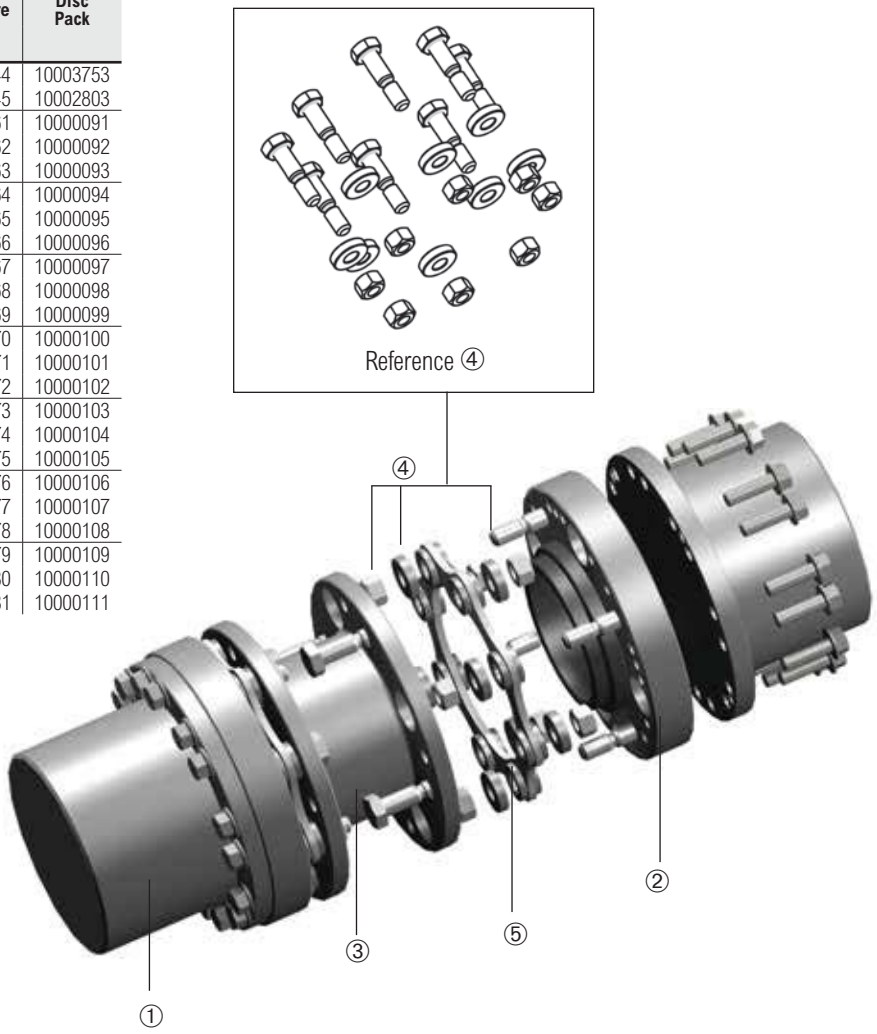
Component Part Numbers

Size	① Standard Hub + Cap Screw Kit	XL Hub + Cap Screw Kit	② Standard Adapter	XL Adapter	XXL Adapter	Inch Standard C Dimensions							
						3.5"	3.75"	4.375"	5.0"	7.0"	7.5"	8.0"	9.0"
						③ Standard Center Member STD, XL, XXL							
494	10611141	10611142	10003755	10003215	10003216	10003235	10003236	–	10003237	–	–	–	–
644	10611142	–	10003754	–	10003218	10003240	10003241	–	10003242	–	–	–	–
726	10001611	10001612	10001131	10001781	10002805	10000871	10311913	10000872	10000873	–	–	–	–
826	10001612	10001613	10001132	10001782	10002806	10355817	10319474	10000875	10000876	–	–	–	–
996	10001613	10001614	10001133	10001783	10002807	–	10613540	10000877	10000878	10000879	–	–	–
1088	10001614	10001615	10001134	10001784	10002808	–	–	–	10000880	10000881	–	–	–
1298	10001615	10001616	10001135	10001785	10002809	–	–	–	10000882	10000883	–	–	–
1548	10001616	10001617	10001136	10001786	10002810	–	–	–	–	10000885	–	–	–
1698	10001617	10001618	10001137	10001787	10002811	–	–	–	–	10000886	–	–	–
1928	10001618	10001619	10001138	10001788	10002812	–	–	–	–	10000887	10000888	10000889	–
2068	10001619	10001620	10001139	10001789	10002813	–	–	–	–	–	–	10000891	–
2278	10001620	10001621	10001140	10001790	10002814	–	–	–	–	–	–	10000892	–
2468	10001621	10001622	10001141	10001791	10002815	–	–	–	–	–	–	–	10000893
2698	10001622	10001623	10001142	10001792	10002816	–	–	–	–	–	–	–	–
2888	10001623	10001624	10001143	10001793	10002817	–	–	–	–	–	–	–	–
3058	10001624	10001631	10001144	10001794	10002818	–	–	–	–	–	–	–	–
3358	10001631	10001625	10001145	10001795	10002819	–	–	–	–	–	–	–	–
3668	10001625	10001626	10001146	10001796	10002820	–	–	–	–	–	–	–	–
3908	10001626	10001627	10001147	10001797	10002821	–	–	–	–	–	–	–	–
4178	10001627	10001628	10001148	10001798	10002822	–	–	–	–	–	–	–	–
4588	10001628	10001629	10001149	10001799	10002823	–	–	–	–	–	–	–	–
4918	10001629	10001630	10001150	10001800	–	–	–	–	–	–	–	–	–
5258	10001630	–	10001151	–	–	–	–	–	–	–	–	–	–

NOTE: The XXL hub+capscrew kit is the same hub+capscrew kit as the next size XL. For example, the 996 XXL hub+capscrew kit is 10001615.

Size	Metric Standard C Dimensions				④ Disc Pack Hardware Kit	⑤ Disc Pack
	100mm	140mm	180mm	250mm		
	③ Standard Center Member STD, XL, XXL					
494	10003238	10003239	–	–	10611144	10003753
644	10003243	10003244	–	–	10611145	10002803
726	10000801	10000860	–	–	10001561	10000091
826	10000802	10000861	–	–	10001562	10000092
996	10000862	10000803	10000863	–	10001563	10000093
1088	–	10000804	10000864	–	10001564	10000094
1298	–	10000805	10000865	10447569	10001565	10000095
1548	–	10000866	10000806	10000867	10001566	10000096
1698	–	–	10000807	10000868	10001567	10000097
1928	–	–	10000808	10000869	10001568	10000098
2068	–	–	–	10000809	10001569	10000099
2278	–	–	–	10000810	10001570	10000100
2468	–	–	–	10000811	10001571	10000101
2698	–	–	–	10000812	10001572	10000102
2888	–	–	–	–	10001573	10000103
3058	–	–	–	–	10001574	10000104
3358	–	–	–	–	10001575	10000105
3668	–	–	–	–	10001576	10000106
3908	–	–	–	–	10001577	10000107
4178	–	–	–	–	10001578	10000108
4588	–	–	–	–	10001579	10000109
4918	–	–	–	–	10001580	10000110
5258	–	–	–	–	10001581	10000111

NOTE: An optional one size larger XL hub or two sizes larger XXL hub is available to increase bore capacity.



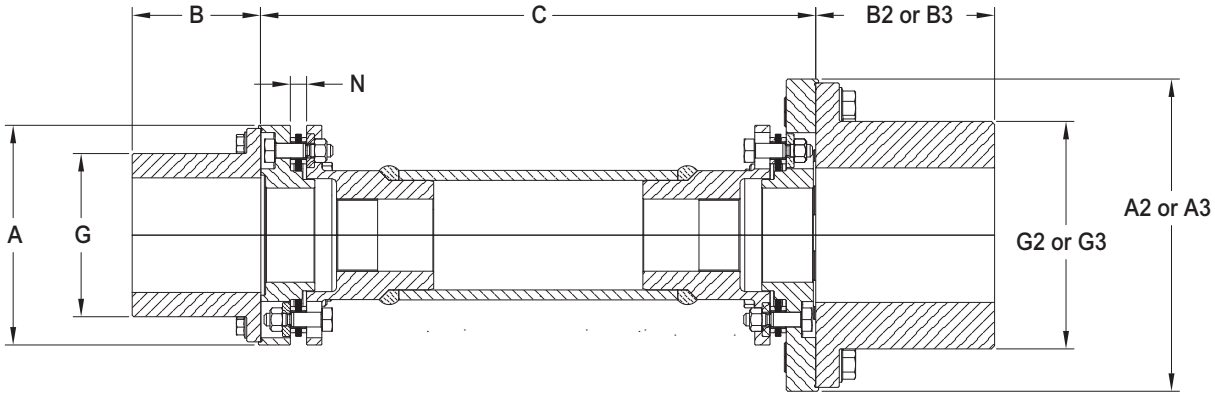
NOTE: Dimensions subject to change. Certified dimensions of ordered material furnished on request.

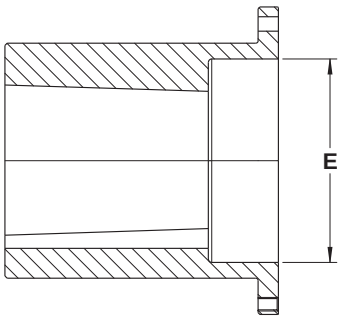
The XTSRLS71 couplings are designed for spacer type coupling critical applications including API applications. The optimized 3-piece design allows for the smallest possible package for an application. The hubs are pilot fitted to the factory assembled center member. The design allows for repeatable installations without special tooling. Additional modifications may be made to reduce coupling weight, or special mountings to make it an economical option on various critical and high speed applications. Additional engineered modifications available to provide unique application solutions.

The XTSRLS71 couplings are API 610 and ISO 14691 compliant when specified, compliant with API 671 (ISO 10441) when requested. ATEX II 2GD c T6 certified. Common applications include motor and turbine driven compressors, fans, synchronized rollers, wire feeders, generators and blowers.

Construction

Hubs and Center assembly: Carbon steel with welded carbon steel tube
Bolts: Alloy steel
Disc Packs: Stainless steel. Max misalignment is 1/2° per disc pack for sizes 726-996, and 1/3° per disc pack for sizes 1088-4588.
Coatings Available: Consult Rexnord





NOTE: Dimensions subject to change. Certified dimensions of ordered material furnished on request.

Example Selection:

1. Select coupling size 1088 for a 19,000 lb·in torque and 2.5 in pump shaft diameter.
2. Select XXL 2nd hub for 3.5 in motor shaft diameter.
3. Operation speed is 1,800 rpm.
4. DBSE is 78.75 in.
5. Therefore, coupling is a 1088 XTSRLS71 XXL to accommodate long span need.

A 1088 XTSRLS71 XXL has one hub with 2.88 in max bore and one hub with 4 in max bore.
The max DBSE is 88 in at 1,800 rpm.

General Coupling Data

Size	④ Max.Cont. Torque (lb•in)	③ Std Hub Max. Bore	③ XL Hub Max. Bore	③ XXL Hub Max. Bore	⑤ Min. C (in)	① Axial Capacity (in)	Max Counter Bore E (in)
726	2,630	1.63	2.00	2.38	15.68	±0.05	2.08
826	4,900	2.00	2.38	2.88	15.89	±0.06	2.58
996	8,210	2.38	2.88	3.38	32.30	±0.07	3.03
1088	19,400	2.88	3.38	4.00	32.28	±0.05	3.47
1298	31,400	3.38	4.00	4.50	32.80	±0.06	4.13
1548	52,300	4.00	4.50	5.00	33.33	±0.07	4.86
1698	72,500	4.50	5.00	5.50	33.65	±0.08	5.60
1928	98,200	5.00	5.50	6.00	33.87	±0.09	6.17
2068	136,000	5.50	6.00	6.50	34.59	±0.10	6.70
2278	176,000	6.00	6.50	7.75	34.69	±0.11	7.42
2468	232,000	6.50	7.75	8.63	34.99	±0.12	7.85
2698	318,000	7.75	8.63	9.13	47.62	±0.13	9.69
2888	416,000	8.63	9.13	10.00	48.09	±0.14	10.69
3058	461,000	9.13	10.00	11.00	48.13	±0.15	11.73
3358	622,000	10.00	11.00	11.50	48.85	±0.16	12.37
3668	834,000	11.00	11.50	12.25	49.34	±0.17	13.97
3908	909,000	11.50	12.25	14.00	49.39	±0.19	14.85
4178	1,130,000	12.25	14.00	15.00	50.11	±0.20	15.64
4588	1,670,000	14.00	15.00	16.00	47.13	±0.22	17.72

Size	Std A (in)	XL A2 (in)	XXL A3 (in)	Std B (in)	XL B2 (in)	XXL B3 (in)	Std G (in)	XL G2 (in)	XXL G3 (in)	② Std Weight (lb)	Weight Change Per in of "C" (lb/in)	② WR2 (lb•in²)
726	3.74	4.25	5.08	1.38	1.65	2.01	2.32	2.87	3.39	9.34	0.119	14.6
826	4.25	5.08	5.51	1.65	2.01	3.23	2.87	3.39	4.09	15.5	0.264	31.8
996	5.08	5.51	6.54	2.01	3.23	3.74	3.39	4.09	4.84	30.0	0.320	85.8
1088	5.51	6.54	7.83	3.23	3.74	4.49	4.09	4.84	5.71	51.0	0.667	156
1298	6.54	7.83	8.66	3.74	4.49	4.80	4.84	5.71	6.50	76.5	0.834	357
1548	7.83	8.66	9.66	4.49	4.80	5.31	5.71	6.50	7.17	114	1.000	788
1698	8.66	9.66	10.39	4.80	5.31	6.10	6.50	7.17	7.87	147	1.11	1,280
1928	9.66	10.39	11.44	5.31	6.10	6.57	7.17	7.87	8.66	189	1.28	2,110
2068	10.39	11.44	12.32	6.10	6.57	7.48	7.87	8.66	9.29	269	1.96	3,340
2278	11.44	12.32	13.58	6.57	7.48	7.28	8.66	9.29	11.02	341	2.21	5,170
2468	12.32	13.58	15.00	7.48	7.28	7.87	9.29	11.02	12.13	414	2.38	7,430
2698	13.58	15.00	15.94	7.28	7.87	7.52	11.02	12.13	13.07	599	3.44	13,200
2888	15.00	15.94	17.20	7.87	7.52	8.86	12.13	13.07	13.98	764	3.67	20,200
3058	15.94	17.20	18.98	7.52	8.86	10.12	13.07	13.98	15.67	856	4.00	26,100
3358	17.20	18.98	19.80	8.86	10.12	9.80	13.98	15.67	16.50	1,140	5.40	40,200
3668	18.98	19.80	20.83	10.12	9.80	10.47	15.67	16.50	17.48	1,530	5.98	66,600
3908	19.80	20.83	23.94	9.80	10.47	11.81	16.50	17.48	19.84	1,720	7.67	82,000
4178	20.83	23.94	25.51	10.47	11.81	12.60	17.48	19.84	21.46	2,010	8.17	109,000
4588	23.94	25.51	26.69	11.81	12.60	13.62	19.84	21.46	22.64	2,890	10.9	199,000

① All Thomas disc couplings meet NEMA frame sleeve bearing motor specifications without modification or the addition of end-float restricting devices.
② Weight and WR^2 of couplings with standard adapters at maximum bore and minimum "C" dimension listed.
③ Consult Rexnord for minimum rough bore sizes.
④ Peak Overload Torque (lb • in) is twice the Maximum Continuous Torque.
⑤ If shorter C lengths are required than the listed minimums, refer to XTSR71 page.

NOTE: Dimensions subject to change. Certified dimensions of ordered material furnished on request.

Maximum C at Given rpm (in)*

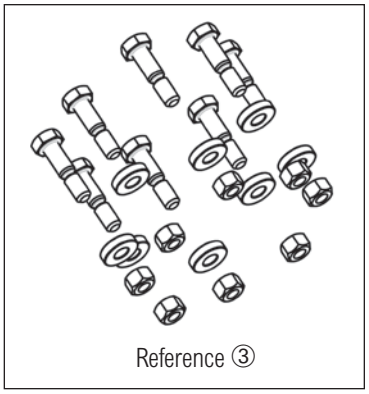
Size	3,600 rpm	3,000 rpm	1,800 rpm	1,500 rpm	1,200 rpm	1,000 rpm	900 rpm	750 rpm	720 rpm	600 rpm	500 rpm
726	52	57	73	80	89	97	102	112	114	125	137
826	56	61	78	86	96	105	110	121	123	135	147
996	61	67	86	94	105	115	121	133	135	148	162
1088	63	69	88	96	108	118	124	136	139	152	166
1298	70	77	99	108	120	132	139	152	155	170	186
1548	77	84	108	118	132	144	152	166	170	186	203
1698	81	89	114	125	139	152	161	176	179	196	215
1928	87	95	122	134	149	163	172	188	192	210	230
2068	89	97	124	136	152	166	174	191	195	213	233
2278	94	103	132	144	161	176	185	203	207	226	247
2468	98	107	137	150	167	182	192	210	214	234	257
2698	102	112	143	156	174	191	201	219	224	245	268
2888	106	115	148	161	180	197	207	227	231	253	277
3058	110	120	154	168	188	205	216	236	241	264	289
3358	114	125	160	175	195	213	224	245	250	273	299
3668	120	131	168	183	204	224	235	257	263	287	314
3908	125	136	175	191	213	233	245	268	273	299	327
4178	129	141	181	197	220	240	253	277	282	309	338
4588	134	146	187	204	228	249	262	286	292	319	349

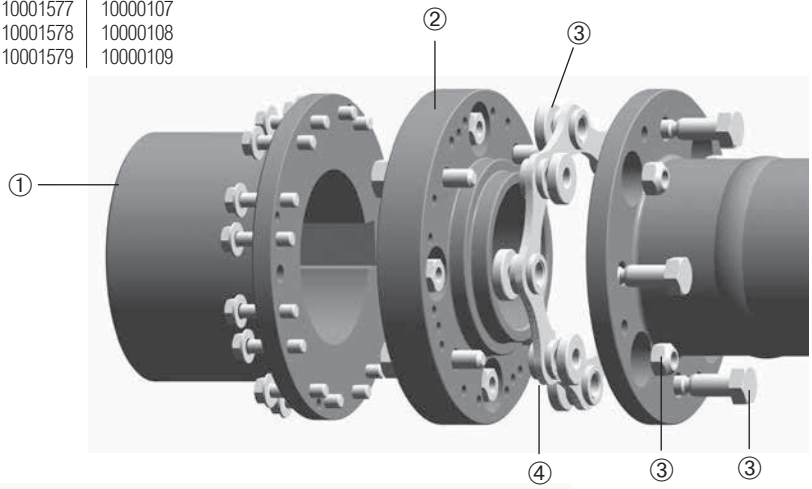
* For API-671 required couplings, consult Rexnord for maximum spans.

NOTE: Consult Rexnord for intended applications at speeds not covered in the table.

Component Part Numbers

Size	① Standard Hub + Cap Screw Kit	XL Hub + Cap Screw Kit	② Standard Adapter	XL Adapter	XXL Adapter	③ Disc Pack Hardware Kit	④ Disc Pack
726	10001611	10001612	10001131	10001781	10002805	10001561	10000091
826	10001612	10001613	10001132	10001782	10002806	10001562	10000092
996	10001613	10001614	10001133	10001783	10002807	10001563	10000093
1088	10001614	10001615	10001134	10001784	10002808	10001564	10000094
1298	10001615	10001616	10001135	10001785	10002809	10001565	10000095
1548	10001616	10001617	10001136	10001786	10002810	10001566	10000096
1698	10001617	10001618	10001137	10001787	10002811	10001567	10000097
1928	10001618	10001619	10001138	10001788	10002812	10001568	10000098
2068	10001619	10001620	10001139	10001789	10002813	10001569	10000099
2278	10001620	10001621	10001140	10001790	10002814	10001570	10000100
2468	10001621	10001622	10001141	10001791	10002815	10001571	10000101
2698	10001622	10001623	10001142	10001792	10002816	10001572	10000102
2888	10001623	10001624	10001143	10001793	10002817	10001573	10000103
3058	10001624	10001631	10001144	10001794	10002818	10001574	10000104
3358	10001631	10001625	10001145	10001795	10002819	10001575	10000105
3668	10001625	10001626	10001146	10001796	10002820	10001576	10000106
3908	10001626	10001627	10001147	10001797	10002821	10001577	10000107
4178	10001627	10001628	10001148	10001798	10002822	10001578	10000108
4588	10001628	10001629	10001149	10001799	10002823	10001579	10000109





NOTE: Dimensions subject to change. Certified dimensions of ordered material furnished on request.