Rexnord PT Europe Coupling Overview

Design Features include:
- Split-in-half flex element design for simplified assembly and disassembly
- Torsionally soft flex element cushions shock loads and vibration, extending equipment life
- Interchangeable hubs allow for reduced inventory
- Polyurethane-to-metal bond eliminates assembly and slippage problems associated with mechanically clamped designs
- Material flexing design allows visual inspection during operation
- Element "V" Notch design provides a uniform failure area for overload protection if required

Applications:
- Pumps
- Compressors
- Industrial fans
- Mixers

Industry Compliant:
- ATEX II 2GD c T5

Special design options:
- Rexnord Viva Spline Bore Hub
- Rexnord Viva Positive Drive Coupling
- Rexnord Viva Keyless Hub / Bushing Design
- Limited end float
- Bolt-on brake

Rexnord Viva V
Elastomer Coupling

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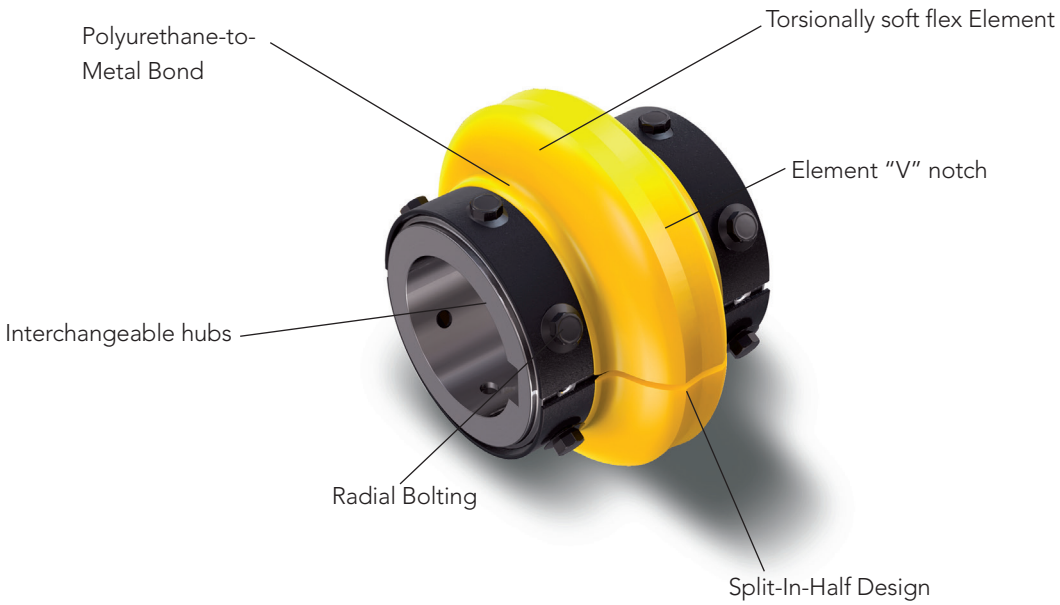
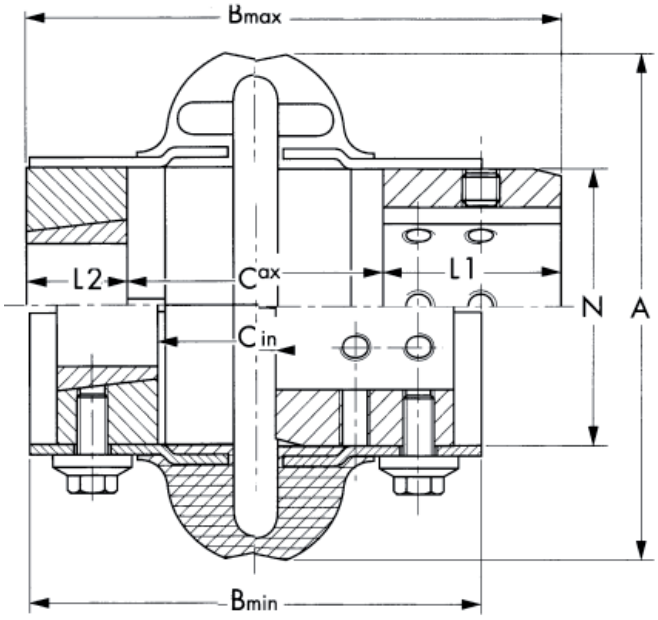
You want a trusted name when it comes to providing engineered power transmission products that improve productivity and efficiency. Rexnord® provides superior products for your industrial applications world wide. We work closely with you to reduce maintenance costs, eliminate redundant inventories and prevent equipment downtime.

Rexnord Viva V
The Rexnord Viva® is a unique general purpose elastomer coupling with split element design providing easy assembly and replace-in-place service. Available in close coupled and spacer designs. These unique designs permit faster installation and reduced inventories by providing multiple distance between shaft ends using the same elements and hubs. Rexnord Viva V design is used on close coupled applications.



ATEX II 2GD c T5

Torque Demands Driven Machine	Typical Application for Electric Motor or Turbine Driven Equipment	Typical Service Factor
	Constant torque such as centrifugal pumps blowers and compressors	1.0
	Continuous duty with some torque variations including plastic extruders and forced draft fans	1.5
	Light shock loads from metal extruders, cooling towers and log haulers	2.0
	Moderate shock loading as expected from a car dumper, stone crusher, vibrating screen	2.5
	Heavy shock load with some negative torques from reciprocating pumps, compressors, reversing turnout tables	3.0
	Frequent torque reversals such as reciprocating compressors with frequent torque reversals which do not necessarily include reverse rotations	Consult Rexnord Engineering



			D1	D2			B	B	C(1)		C(2)						
Coupling size	Tnom Nm	n max min-1	Dmax mm	Taper Bush	Dmax mm	A mm	min. mm	max. mm	min. mm	max. mm	min. mm	max. mm	L1 mm	L2 mm	N mm	m* kg	J* kgm²
110	62	5 400	38	1 108	28	110	97	132	9	55	41	55	38	22	60	1,4	0,00123
125	105	5 400	48	1 108	28	125	98	132	9	55	41	55	38	22	70	1,7	0,00202
130	164	5 100	55	1 310	35	130	97	142	7	55	35	55	41	25	80	2,1	0,00310
150	250	4 800	65	1 610	42	150	111	156	9	60	54	66	51	25	95	4,2	0,00900
170	308	4 800	65	1 610	42	170	111	156	9	60	54	66	51	25	95	4,3	0,00931
190	412	4 600	75	2 012	50	190	116	164	7	60	47	60	52	32	114	5,5	0,0173
215	662	4 300	80	2 517	60	215	134	191	11	64	51	61	64	45	140	10	0,0303
245	938	4 100	95	3 020	75	245	137	202	7	73	50	57	65	51	171	14	0,076
290	1 412	3 900	110	3 020	75	290	153	241	8	94	40	87	73	51	215	25	0,192
365	3 200	3 600	127	3 535	90	365	200	311	20	131	20	131	90	90	235	42	0,373
425	5 580	2 000	155	4 040	100	425	247	361	19	133	44	132	114	102	285	85	1,180
460	6 270	2 000	165	4 545	110	460	267	380	19	132	38	132	124	114	302	93	1,720

*weight (m) and inertia (J) with maximum bore and key way • Dimension (C1) finished bore hubs - C(2) with Taper Bush hubs

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Design Features include:
- Split-in-half flex element design for simplified assembly and disassembly
- Torsionally soft flex element cushions shock loads and vibration, extending equipment life
- Interchangeable hubs allow for reduced inventory
- Polyurethane-to-metal bond eliminates assembly and slippage problems associated with mechanically clamped designs
- Material flexing design allows visual inspection during operation
- Element "V" Notch design provides a uniform failure area for overload protection if required

Applications:
- Pumps
- Compressors
- Industrial fans
- Mixers

Industry Compliant:
- ATEX II 2GD c T5

Special design options:
- Rexnord Viva Spline Bore Hub
- Rexnord Viva Positive Drive Coupling
- Rexnord Viva Keyless Hub / Bushing Design
- Limited end float
- Bolt-on brake

Rexnord Viva VS
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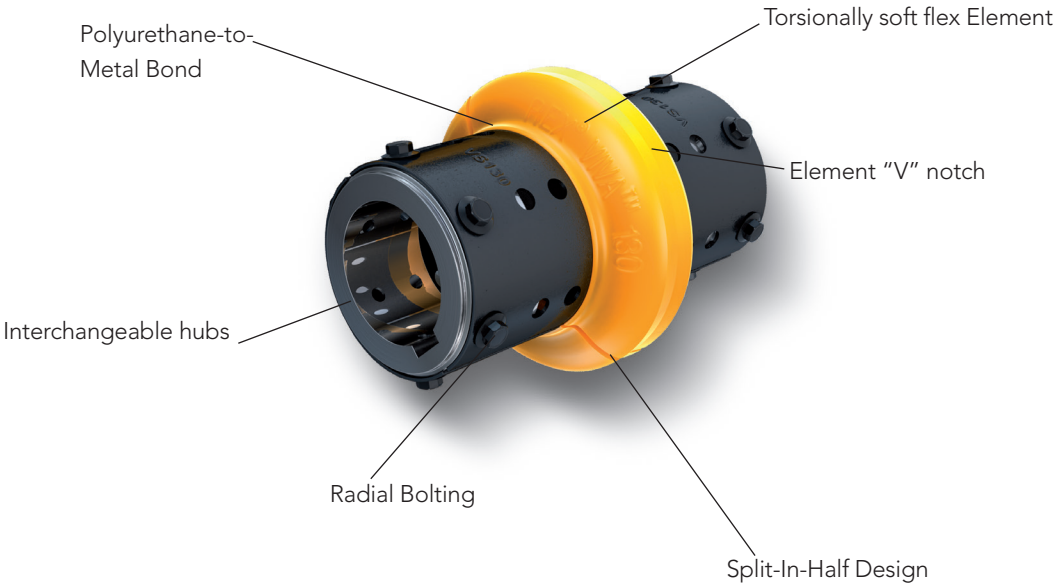
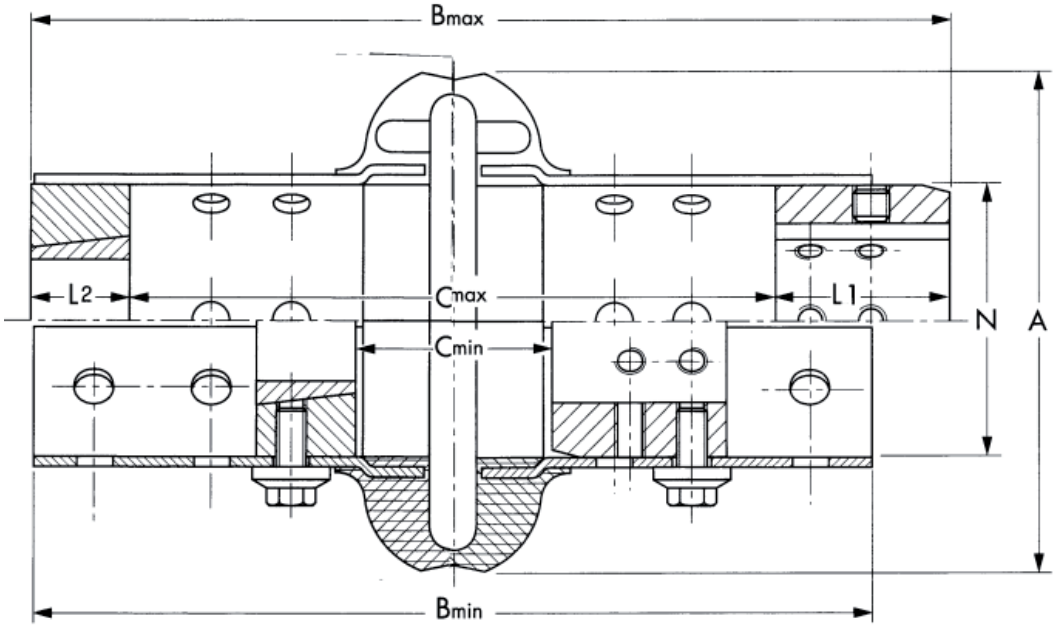
Rexnord Viva VS
The Rexnord Viva® is a unique general purpose elastomeric coupling with split element design providing easy assembly and replace-in-place service. Available in close coupled and spacer sizes. This unique design permits faster installation and reduced inventories by providing multiple distance between shaft ends using the same elements and hubs. The design is a perfect solution for pump applications.



ATEX II 2GD c T5

Torque Demands Driven Machine	Typical Application for Electric Motor or Turbine Driven Equipment	Typical Service Factor
	Constant torque such as centrifugal pumps blowers and compressors	1.0
	Continuous duty with some torque variations including plastic extruders and forced draft fans	1.5
	Light shock loads from metal extruders, cooling towers and log haulers	2.0
	Moderate shock loading as expected from a car dumper, stone crusher, vibrating screen	2.5
	Heavy shock load with some negative torques from reciprocating pumps, compressors, reversing turnout tables	3.0
	Frequent torque reversals such as reciprocating compressors with frequent torque reversals which do not necessarily include reverse rotations	Consult Rexnord Engineering



Viva size	Tnom Nm	n max min-1	D1 Dmax mm	D2 Taper Bush	Dmax mm	A mm	B min. mm	B max. mm	C(1) min. mm	C(1) max. mm	C(2) min. mm	C(2) max. mm	L1 mm	L2 mm	N mm	m* kg	J* kgm²
110	62	4 300	38	1 108	28	110	182	217	43	140	75	140	38	22	60	1,7	0,00148
125	105	4 300	48	1 108	28	125	191	225	54	148	86	148	38	22	70	2,1	0,00254
130	164	4 200	55	1 310	35	130	182	227	33	140	69	140	41	25	80	2,6	0,00378
150	250	4 000	65	1 610	42	150	235	280	51	180	96	180	51	25	95	5,0	0,0100
170	308	4 000	65	1 610	42	170	235	280	51	180	96	180	51	25	95	5,1	0,0113
190	412	3 900	75	2 012	50	190	235	283	48	180	89	180	52	32	114	6,6	0,0213
215	662	3 800	80	2 517	60	215	251	308	50	180	90	180	64	45	140	11	0,0430
245	938	3 700	95	3 020	75	245	259	324	40	195	92	180	65	51	171	16	0,0947
290	1412	3 600	110	3 020	75	290	315	403	80	257	132	250	73	51	215	29	0,240
365	3200	2 600	127	3 535	90	365	368	480	67	250	66	250	90	90	235	52	0,493
425	5580	1 800	155	4 040	100	425	368	524	54	250	45	250	114	102	285	97	1,340
460	6270	1 800	165	4 545	110	460	368	548	67	250	20	250	124	114	302	110	1,980

*weight (m) and inertia (J) with maximum bore and key way • Dimension (C1) finished bore hubs - C(2) with Taper Bush hubs

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Design Features include:
- Split-in-half flex element design for simplified assembly and disassembly
- Torsionally soft flex element cushions shock loads and vibration, extending equipment life
- Interchangeable hubs allow for reduced inventory
- Polyurethane-to-metal bond eliminates assembly and slippage problems associated with mechanically clamped designs
- Material flexing design allows visual inspection during operation

Applications:
- Pumps
- Compressors
- Industrial fans
- Mixers

Industry Compliant:
- ATEX II 2GD c T5

Special design options:
- Rexnord Omega HSU Element
- Rexnord Omega Heavy-Duty Yellow Element
- Rexnord Omega Spline Bore Hub
- Rexnord Omega Positive Drive Coupling
- Rexnord Omega Keyless Hub / Bushing Design
- Rexnord Omega Light Duty Element
- Limited end float
- Bolt-on brake

Rexnord Omega E
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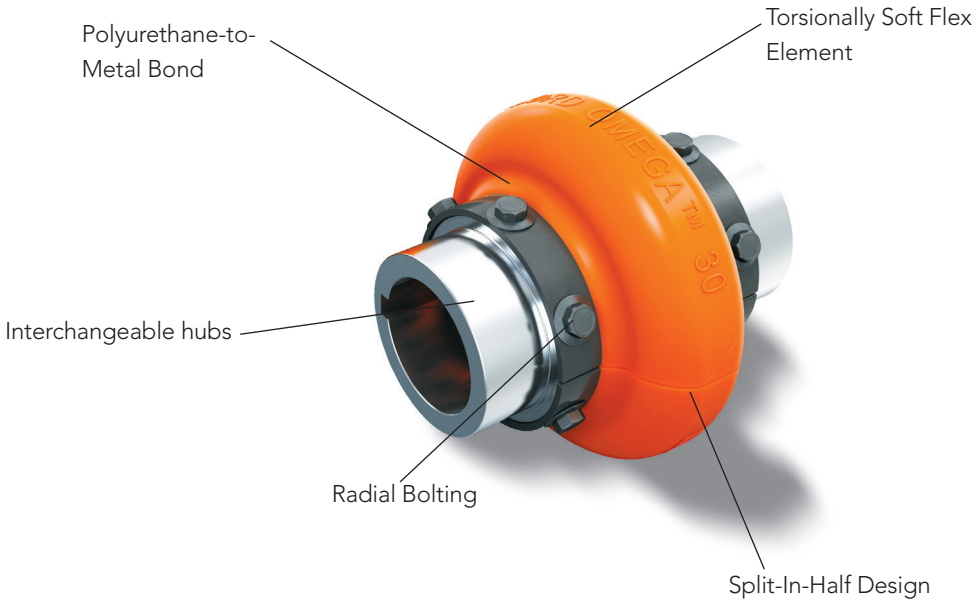
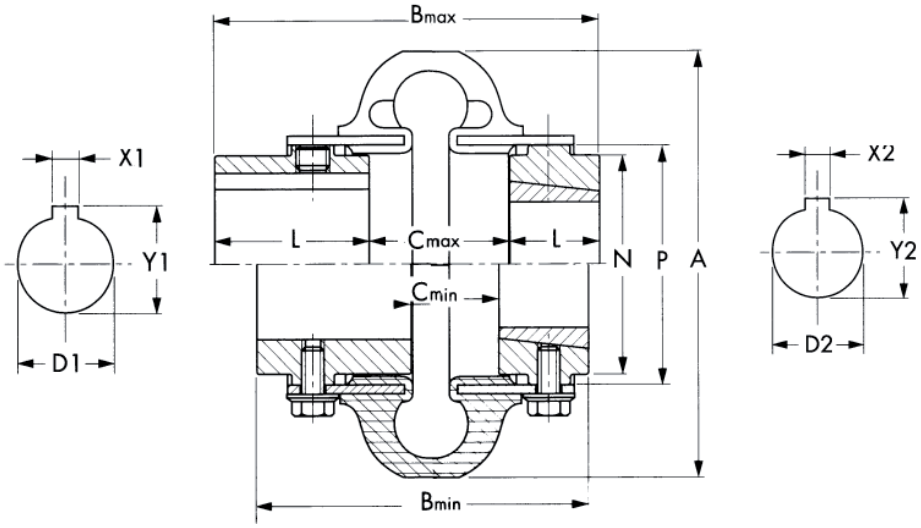
Rexnord Omega E
The Rexnord Omega® is a unique general-purpose elastomer coupling with split element design providing easy assembly and replace-in-place service. Available in close coupled and spacer designs. These unique designs permit faster installation and reduced inventories by providing multiple distance between shaft ends using the same elements and hubs. Rexnord Omega E design is used on close coupled applications.



ATEX II 2GD c T5

Torque Demands Driven Machine	Typical Application for Electric Motor or Turbine Driven Equipment	Typical Service Factor
	Constant torque such as centrifugal pumps blowers and compressors	1.0
	Continuous duty with some torque variations including plastic extruders and forced draft fans	1.5
	Light shock loads from metal extruders, cooling towers and log haulers	2.0
	Moderate shock loading as expected from a car dumper, stone crusher, vibrating screen	2.5
	Heavy shock load with some negative torques from reciprocating pumps, compressors, reversing turnout tables	3.0
	Frequent torque reversals such as reciprocating compressors with frequent torque reversals which do not necessarily include reverse rotations	Consult Rexnord Engineering



Coupling size	Tnom Nm	n max min-1	D1 Dmax mm	D2 Taper bush	D2 Dmax mm	A mm	B1 min. mm	B1 max. mm	B2 min. mm	B2 max. mm	C1 min. mm	C1 max. mm	C2 min. mm	C2 max. mm	L1 mm	L2 mm	N1 mm	N2 mm	P mm	m* kg	J* kgm²
E2	22	7 500	28	-	-	89	84	94	-	-	36	46	-	-	24	-	38	-	47	0,5	0,00032
E3	41	7 500	34	1 008	25	102	84	122	87	87	8	46	43	43	38	22	50	50	59	1,0	0,00032
E4	62	7 500	42	1 008	25	116	84	122	87	87	8	46	43	43	38	22	57	57	66	1,3	0,0012
E5	105	7 500	48	1 210	32	137	97	147	103	103	8	59	52	52	44	25	70	71	80	2,3	0,0032
E10	164	7 500	55	1 610	42	162	97	147	103	103	8	59	52	52	44	25	84	84	93	3,4	0,0064
E20	260	6 600	60	1 610	42	184	113	169	114	114	9	65	64	64	52	25	95	89	114	6,8	0,016
E30	412	5 800	75	2 012	50	210	125	185	128	128	7	68	64	64	59	32	114	102	138	10	0,034
E40	622	5 000	85	2 517	65	241	135	201	150	150	9	75	60	60	63	45	146	117	168	17	0,080
E50	864	4 200	90	2 517	65	279	151	231	165	165	11	91	76	76	70	45	152	124	207	24	0,158
E60	1 412	3 800	105	3 020	75	318	173	261	186	186	9	97	84	84	82	51	165	146	222	34	0,266
E70	2 490	3 600	120	3 535	90	356	189	279	238	238	19	109	60	60	85	89	175	165	235	39	0,366
E80	4 460	2 000	155	4 040	100	406	245	377	299	299	17	149	95	95	114	102	240	194	286	77	1,054
E100	9 600	1 900	171	4 545	110	533	324	375	267	267	44	95	38	152	140	114	260	260	359	95	2,19
E120	19 200	1 800	190	5 050	125	635	362	429	305	305	57	127	51	181	152	127	299	299	448	163	2,93
E140	38 400	1 500	229	7 060	177	762	432	483	381	381	76	127	76	178	178	152	381	381	530	280	4,00

*Weight (m) and inertia (J) with maximum bore and key way • Dimension B1, C1, D1, L1, N1 finished bore hubs - B2, C2, D2, L2, N2 with Taper Bush hub

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Design Features include:
- Split-in-half flex element design for simplified assembly and disassembly
- Torsionally soft flex element cushions shock loads and vibration, extending equipment life
- Interchangeable hubs allow for reduced inventory
- Polyurethane-to-metal bond eliminates assembly and slippage problems associated with mechanically clamped designs
- Optional hole mounting positions and reversible hub features allow adjustment to accommodate most shaft spacing requirements
- Material flexing design allows visual inspection during operation

Applications:
- Pumps
- Compressors
- Industrial fans
- Mixers

Industry Compliant:
- ATEX II 2GD c T5

Special design options:
- Rexnord Omega HSU Element
- Rexnord Omega Heavy-Duty Yellow Element
- Rexnord Omega Spline Bore Hub
- Rexnord Omega Positive Drive Coupling
- Rexnord Omega Keyless Hub / Bushing Design
- Rexnord Omega Light Duty Element
- Limited end float
- Bolt-on brake

Rexnord Omega ES Elastomer Coupling

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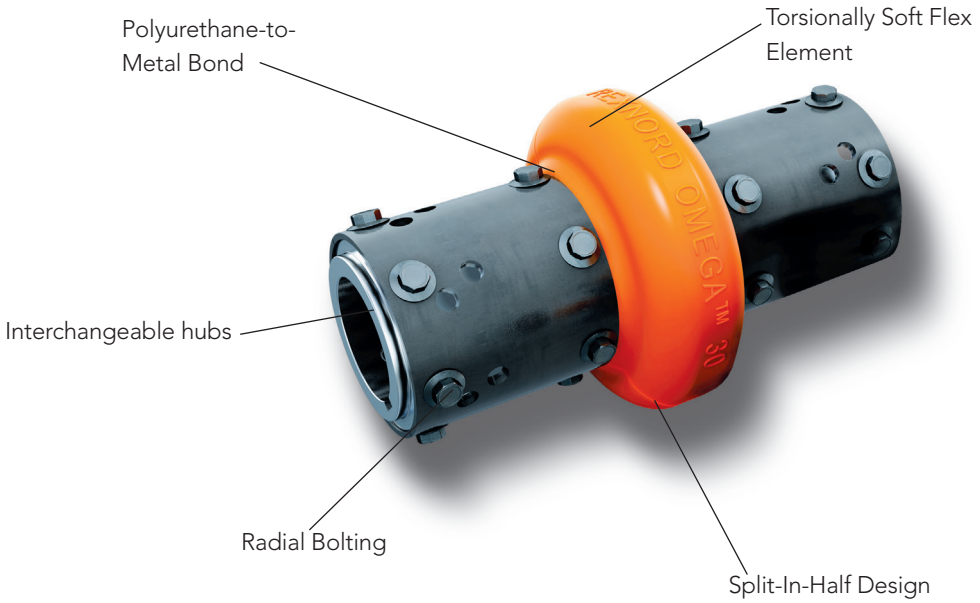
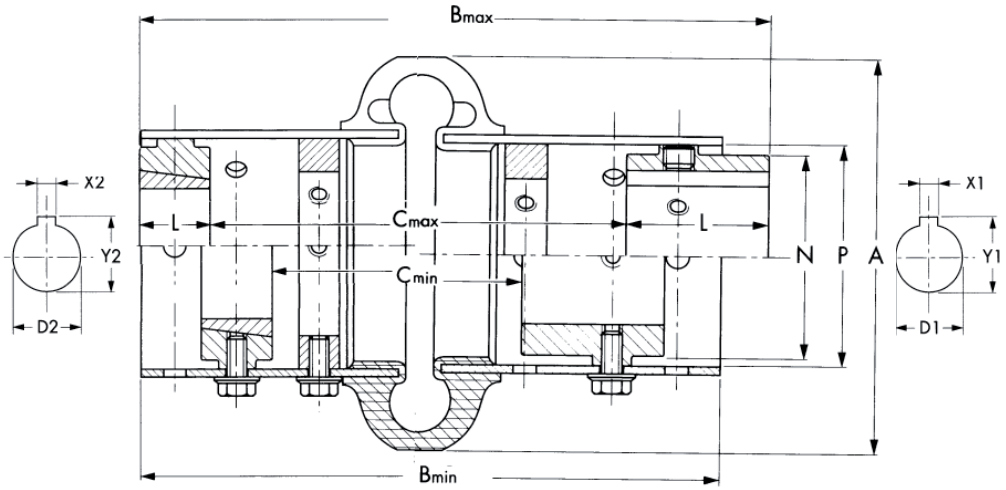
Rexnord Omega ES
The Rexnord Omega® is a unique general-purpose elastomer coupling with split element design providing easy assembly and replace-in-place service. Available in close coupled and spacer designs. These unique designs permits faster installation and reduced inventories by providing multiple distance between shaft ends using the same elements and hubs. Rexnord Omega ES design is used on spacer applications.



ATEX II 2GD c T5

Torque Demands Driven Machine	Typical Application for Electric Motor or Turbine Driven Equipment	Typical Service Factor
	Constant torque such as centrifugal pumps blowers and compressors	1.0
	Continuous duty with some torque variations including plastic extruders and forced draft fans	1.5
	Light shock loads from metal extruders, cooling towers and log haulers	2.0
	Moderate shock loading as expected from a car dumper, stone crusher, vibrating screen	2.5
	Heavy shock load with some negative torques from reciprocating pumps, compressors, reversing turnout tables	3.0
	Frequent torque reversals such as reciprocating compressors with frequent torque reversals which do not necessarily include reverse rotations	Consult Rexnord Engineering



			D1	D2			B1		B2		C1		C2								
Coupling size	Tnom Nm	n max min-1	Dmax mm	Taper bush	max mm	A mm	min. mm	max. mm	min. mm	max. mm	min. mm	max. mm	min. mm	max. mm	L1 mm	L2 mm	N1 mm	N2 mm	P mm	m* kg	J* kgm²
ES2-R	22	7 500	28	-	-	89	146	149	-	-	91	100	-	-	24	-	38	-	47	1,1	0,0005
ES3-R	41	7 500	34	1 008	25	102	184	216	184	184	85	140	97	137	38	22	50	50	59	2,3	0,0017
ES4-R	62	7 500	42	1 008	25	116	184	216	184	184	85	140	97	137	38	22	57	57	66	2,8	0,0027
ES5-R	105	7 500	48	1 210	32	137	184	228	184	184	89	140	94	133	44	25	70	71	80	4,1	0,0059
ES10-R	164	7 500	55	1 610	42	162	184	228	184	184	89	140	94	133	44	25	84	84	93	5,4	0,010
ES20	260	4 800	60	1 610	42	184	238	280	238	238	67	180	123	172	52	25	95	89	114	8,2	0,021
ES30	412	4 200	75	2 012	50	210	238	293	238	238	54	180	117	165	59	32	114	102	138	12	0,044
ES40	622	3 600	85	2 517	65	241	238	307	238	244	41	180	104	153	63	45	146	117	168	19	0,099
ES50	864	3 100	90	2 517	65	279	238	319	238	244	28	180	104	153	70	45	152	124	207	27	0,19
ES60	1 412	2 800	105	3 020	75	318	318	415	318	326	66	250	155	223	82	51	165	146	222	39	0,34
ES70	2 490	2 600	120	3 535	90	356	318	421	318	364	59	250	116	185	85	89	175	165	235	46	0,47
ES80	4 460	1 800	155	4 040	100	406	318	478	318	377	37	250	104	172	114	102	240	194	286	82	1,14

*Weight (m) and inertia (J) with maximum bore and key way • Dimension B1, C1, D1, L1, N1 finished bore hubs - B2, C2, D2, L2, N2 with Taper Bush hubs

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Design Features include:

- Replace-in-place design allows quick & easy element replacement without having to move the hubs
- High capacity ratings at a very competitive price
- Polyurethane element has excellent wear and chemical resistance and an operating temperature range of -40°F to 200°F

Applications:

- Pumps
- Compressors
- General Purpose Machinery

Industry Compliant:

- ATEX II 2GD c T5

Rexnord Falk Wrapflex Elastomer Coupling

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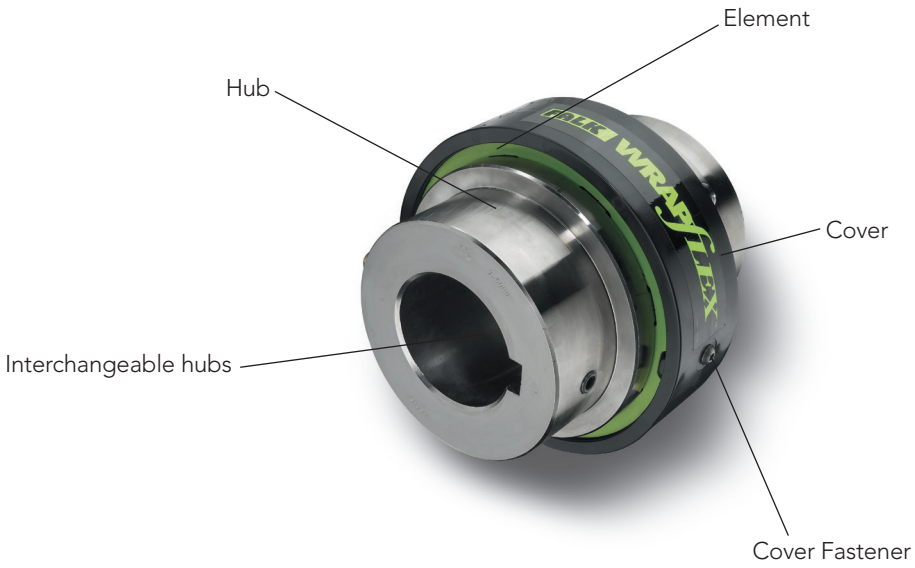
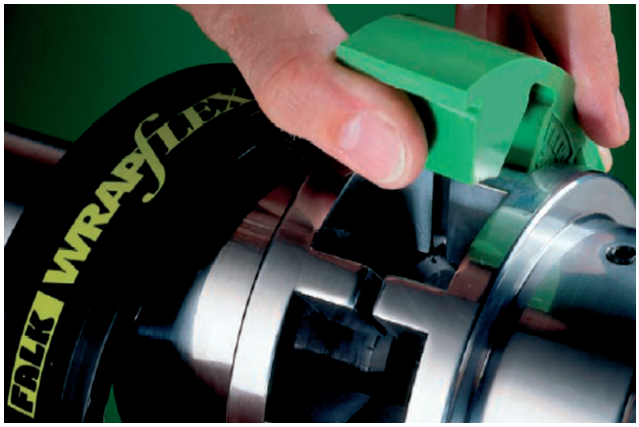
Falk Wrapflex®
Low cost elastomer in shear with replace-in-place element. Easy installation and service without need to move hubs or connected equipment.

Falk® is a Rexnord brand.



ATEX II 2GD c T5



Torque Demands Driven Machine	Typical Application for Electric Motor or Turbine Driven Equipment	Typical Service Factor
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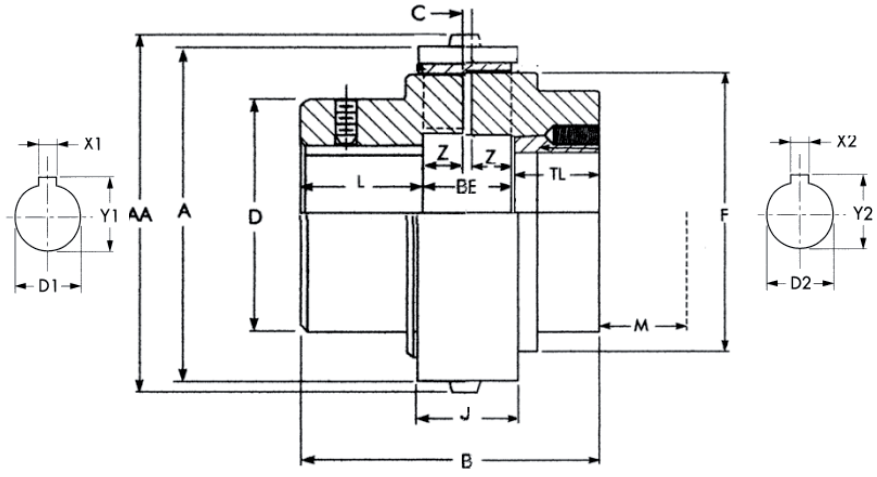
	Frequent torque reversals such as reciprocating compressors with frequent torque reversals which do not necessarily include reverse rotations	Consult Rexnord Engineering



Wrapflex size	Tnom Nm	n max min-1	D1 max. mm	D2 Taper bush	D2 max. mm	A Nylon mm	A Steel mm	AA Nylon mm	AA Steel mm	B (1) mm	B (2) mm	BE mm	C mm	D mm	L mm	TL mm	M mm	F mm	Z mm	m* Nylon kg	m* Steel kg
5R	62	4 500	38	1108	28	77	77	81	81	72	65	20	2	60	26	23	19	64	9	1,3	1,5
10R	130	4 500	48	1210	32	91	91	95	95	90	90	24	2	72	34	33	27	76	11	2,5	2,7
20R	320	4 500	60	1610	40	126	124	132	130	124	98	32	2	92	45	33	27	102	15	5,6	6,1
30R	520	4 500	65	2012	48	147	143	153	149	152	120	36	2	105	58	42	35	118	17	9,4	10
40R	1 030	3 600	85	2517	60	182	177	190	185	181	139	47	5	130	67	46	42	150	21	17	18
50R	2 500	3 000	105	3020	75	231	224	239	232	215	171	61	5	170	77	55	53	190	28	34	36
60R	4 000	2 500	135	4030	100	-	267	-	278	275	245	75	5	200	100	85	86	228	35	-	62
70R	8 000	2 100	160	4535	110	-	310	-	321	324	264	84	5	227	120	90	104	270	40	-	98
80R	15 000	1 800	190	5040	125	-	370	-	381	376	305	97	6	270	140	104	123	328	45	-	165

*Weight (m) on maximum bore and key way • Dimension B(1), D1 finished bore hubs - B(2), D2 with Taper Bush hubs

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Design Features include:
- Long life with alloy steel tapered grids
- Extended maintenance periods with the use of Falk Long Term Grease
- Easy maintenance with the replace-in-place design
- Absorbs shock loads and offers vibration damping with the original Falk Steelflex T-Grid design

Applications:
- Paper machines
- Ball mills
- Hot bed rolls
- Slurry pumps
- Conveyors
- Blowers and fans
- Centrifugal pumps

Industry Compliant:
- ATEX II 2GD c T6

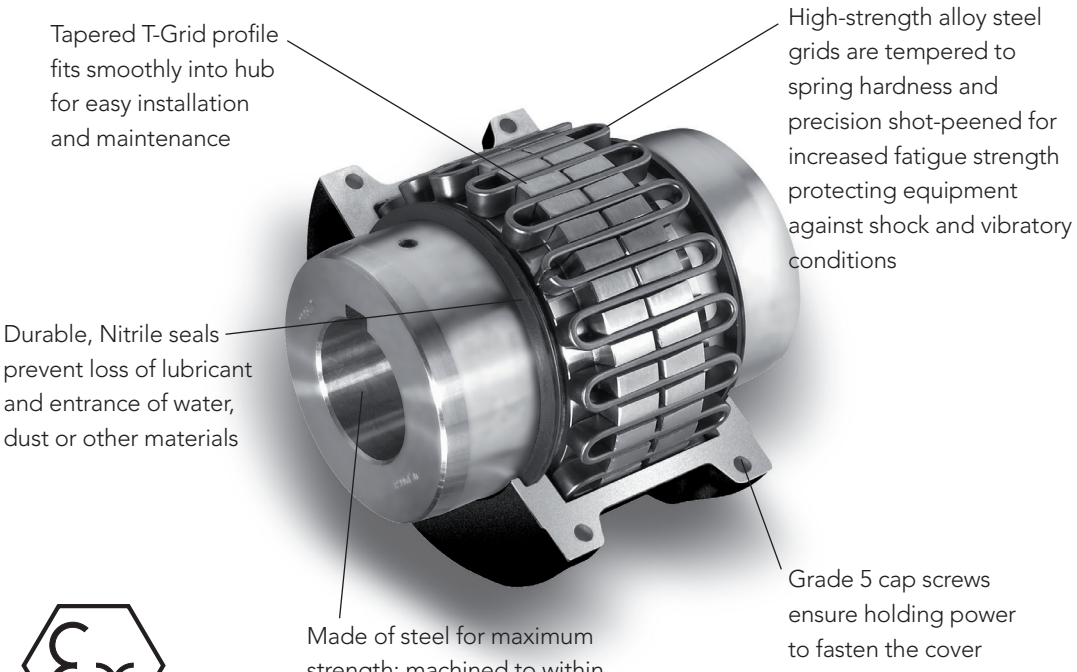
Special design options:
- Type T63 disc brake
- Type T90 flywheel
- Type BW brake wheel
- In total 12 models to choose from

Rexnord Falk Steelflex Grid Coupling

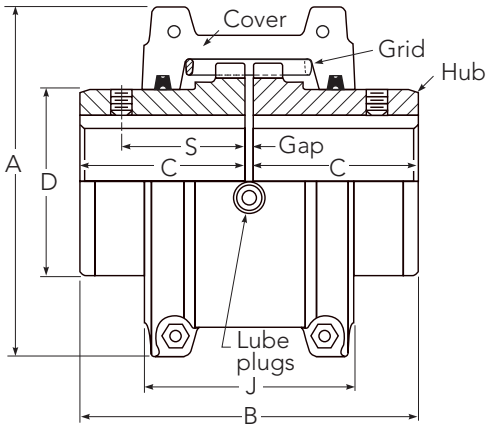
Customer-focused solutions.
Reliable Performance.
Trusted Brands.
You want a trusted name when it comes to providing engineered power transmission products that improve productivity and efficiency. Rexnord® provides superior products for your industrial applications world wide. We work closely with you to reduce maintenance costs, eliminate redundant inventories and prevent equipment downtime.

Falk Steelflex T10 Grid Couplings
The "replace-in-place" design eliminates the need to move hubs or re-align shafts, reducing element change-out time. When lubricated with Falk Long Term Grease (LTG), the low-maintenance Falk Steelflex coupling does not require re-lubrication for five years. The original Falk Steelflex T-Grid design offers superior vibration damping and reduces peak torque loads by as much as 30%, reducing wear on connected equipment components.

Falk is a Rexnord brand.



ATEX II 2GD c T6



Torque Demands Driven Machine	Typical Application for Electric Motor or Turbine Driven Equipment	Typical Service Factor
	Constant torque such as centrifugal pumps blowers and compressors	1.0
	Continuous duty with some torque variations including plastic extruders and forced draft fans	1.5
	Light shock loads from metal extruders, cooling towers and log haulers	2.0
	Moderate shock loading as expected from a car dumper, stone crusher, vibrating screen	2.5
	Heavy shock load with some negative torques from reciprocating pumps, compressors, reversing turnout tables	3.0
	Frequent torque reversals such as reciprocating compressors with frequent torque reversals which do not necessarily include reverse rotations	Consult Rexnord Engineering

Coupling Size	Torque Rating	Max. Allowed Speed	Min. Bore	Max. Bore	Gap	A	B	C	D	J	S	Lube Weight	Coupling weight with no bore
	Nm	rpm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
1020T	52	4 500	13	28	3	97	98	47	39	66	39,1	0,02	1,9
1030T	149	4 500	13	35	3	105	98	47	49	68	39,1	0,04	2,5
1040T	249	4 500	13	43	3	114	104	50	57	69	40,1	0,05	3,3
1050T	435	4 500	13	50	3	135	123	60	66	80	44,7	0,06	5,4
1060T	684	4 350	20	56	3	147	130	63	76	93	52,3	0,08	7,4
1070T	994	4 125	20	67	3	158	155	76	87	96	53,8	0,1	10,4
1080T	2 050	3 600	27	80	3	190	180	88	104	115	64,5	0,1	17,9
1090T	3 730	3 600	27	95	3	211	199	98	123	122	71,6	0,2	25,6
1100T	6 280	2 440	42	110	5	251	246	120	142	155	....	0,4	42,0
1110T	9 320	2 250	42	120	5	269	259	127	160	161	....	0,5	54,3
1120T	13 700	2 025	61	140	6	307	304	149	179	191	....	0,7	81,2
1130T	19 900	1 800	67	170	6	345	329	161	217	195	....	0,9	121
1140T	28 600	1 650	67	200	6	384	374	184	254	201	....	1,1	178
1150T	39 800	1 500	108	215	6	453	371	182	269	271	....	1,9	234
1160T	55 900	1 350	121	240	6	501	402	198	304	278	....	2,8	317
1170T	74 600	1 225	134	280	6	566	437	215	355	307	....	3,4	448
1180T	103 000	1 100	153	300	6	629	483	238	393	321	....	3,7	619
1190T	137 000	1 050	153	335	6	675	524	259	436	325	....	4,4	776
1200T	186 000	900	178	360	6	756	564	279	497	355	....	5,6	1 058
1210T	249 000	820	178	390	13	844	622	304	533	431	....	10,5	1 424
1220T	336 000	730	203	420	13	920	663	325	571	490	....	16,1	1 785
1230T	435 000	680	203	450	13	1 003	703	345	609	546	....	24,0	2 267
1240T	559 000	630	254	480	13	1 087	749	368	647	647	....	33,8	2 950
1250T	746 000	580	254		13	1 181	815	401	711	698	....	50,1	3 833
1260T	932 000	540	254		13	1 260	876	431	762	762	....	67,2	4 682

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Design Features include:
- The high torque ratings and large bore capacities result in savings of up to 35% compared to the competition
- Long Term Grease (LTG) lubrication and a four-point seal provide maximum lubrication retention, extend the coupling life and contribute to reduced maintenance needs.
- 3 year heavy duty warranty when used with LTG
- Lifelign's triple-crowned teeth are crowned on the root, tip and face to articulate freely, minimizing wear caused by misalignment. The triple-crowned teeth protects equipment from damaging loads by eliminating tip-loading while reducing backlash and radial clearances.

Applications:
- Pumps
- Paper machines
- Conveyors
- Pulpers
- Crushers

Industry Compliant:
- ATEX II 2GD c T5

Special design options:
- Brakes adapters
- Axial slide couplings
- Floating shaft assemblies
- Electrically insulated

Rexnord Falk Lifelign Gear Coupling

Customer-focused solutions.
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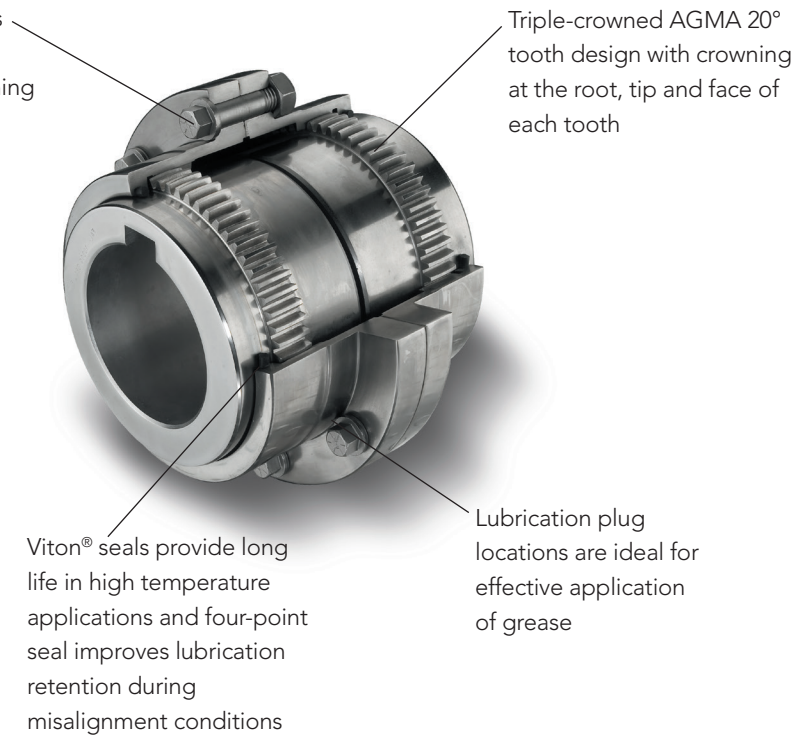
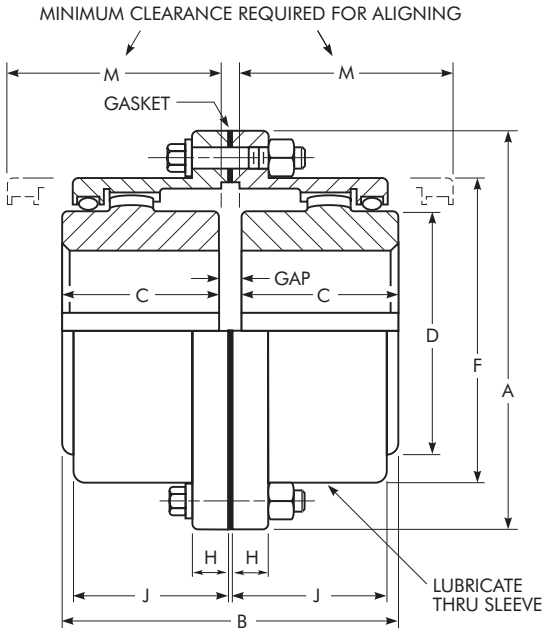
Falk Lifelign Gear Couplings
Large bore capacity gear coupling with superior torque ratings. Available in both single and double engagement designs.

Falk is a Rexnord brand.



ATEX II 2GD c T5

Torque Demands Driven Machine	Typical Application for Electric Motor or Turbine Driven Equipment	Typical Service Factor
	Constant torque such as centrifugal pumps blowers and compressors	1.0
	Continuous duty with some torque variations including plastic extruders and forced draft fans	1.5
	Light shock loads from metal extruders, cooling towers and log haulers	2.0
	Moderate shock loading as expected from a car dumper, stone crusher, vibrating screen	2.5
	Heavy shock load with some negative torques from reciprocating pumps, compressors, reversing turnout tables	3.0
	Frequent torque reversals such as reciprocating compressors with frequent torque reversals which do not necessarily include reverse rotations	Consult Rexnord Engineering



Coupling Size G20	Torque Rating Nm	Max Allowed Speed rpm	Min Bore mm	Max Bore mm	Gap mm	A mm	B Std Hub mm	B Long Hub mm	C Std Hub mm	C Long Hub mm	D mm	F mm	H mm	J mm	M mm	Lube Weight kg	Coupling Weight* with no bore kg
1010G	1 140	8 000	13	50	3	115	88	206,2	42	101,6	68	83	14	39	51	0,04	4,5
1015G	2 350	6 500	20	65	3	152	101	231,6	49	114,3	86	105	19	48	61	0,07	9,0
1020G	4 270	5 600	26	78	3	177	127	263,0	62	130,0	105	126	19	59	77	0,11	15,9
1025G	7 470	5 000	32	98	5	212	158	303,8	77	149,4	130	154	21	72	92	0,21	29,5
1030G	12 100	4 400	39	111	5	239	187	335,2	91	165,1	152	180	21	84	107	0,36	43,1
1035G	18 500	3 900	51	134	6	279	218	374,4	106	184,2	177	211	28	98	130	0,54	68,0
1040G	30 600	3 600	64	160	6	317	247	412,4	120	203,2	209	245	28	111	145	0,90	97,5
1045G	42 000	3 200	77	183	8	346	277	496,6	134	244,3	235	274	28	123	166	1,00	136
1050G	56 600	2 900	89	200	8	388	314	598,2	153	295,1	254	305	38	141	183	1,70	191
1055G	74 000	2 650	102	220	8	425	344	604,8	168	298,4	279	334	38	158	204	2,20	249
1060G	90 400	2 450	115	244	8	457	384	617,6	188	304,8	304	366	25	169	229	3,10	306
1070G	135 000	2 150	127	289	10	527	451	629,8	220	309,9	355	424	28	196	267	4,20	485

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Design Features include:
- Optimum torque density providing low overhung loads/lower cost of ownership
- Tapered bolt design providing quick installation without damaging the disc pack
- Standard hardware balancing requires no special tooling
- Longer life due to standard overload bushings
- Manganese Phosphate standard protective coating

Applications:
- Pumps
- Compressors
- Fans
- Synchronized rollers
- Wire Feeders
- Blowers

Industry Compliant:
- API 671/ISO 10441 (when specified)
- API 610/ISO 13709
- ISO 14691
- ATEX II 2GD c T6

Special design options:
- Electrically insulated
- Torsionally adjusted
- Limited end float
- Torque meter
- Reduced sparking

Rexnord Thomas XTSR71 Disc Coupling

Customer-focused solutions.
Reliable Performance.
Trusted Brands.

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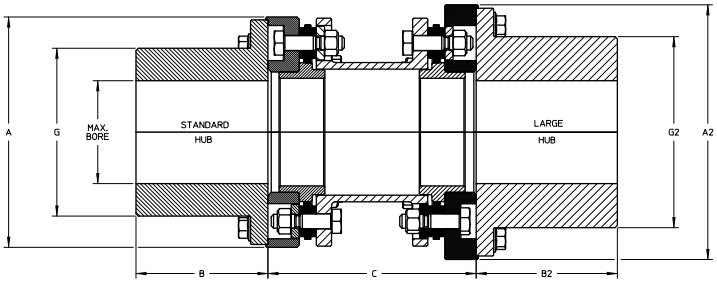
Thomas XTSR71

For decades the reliability of Thomas® SR71 couplings have led the industry. Rexnord has advanced the design and performance with the introduction of the XTSR71. The new design retains the piloted center member to provide fast installation and repeatable balance significantly reducing your installation and service time. In addition the XTSR71 is engineered with optimum torque density ratios to minimize overhung loads while transmitting maximum torque and ensuring reliable and safe performance. The XTSR71 meets API610 / ISO 13709 as manufactured and API671 / ISO 10441 when specified.

ATEX II 2GD c T6



Torque Demands Driven Machine	Typical Application for Electric Motor or Turbine Driven Equipment	Typical Service Factor
	Constant torque such as centrifugal pumps blowers and compressors	1.0
	Continuous duty with some torque variations including plastic extruders and forced draft fans	1.5
	Light shock loads from metal extruders, cooling towers and log haulers	2.0
	Moderate shock loading as expected from a car dumper, stone crusher, vibrating screen	2.5
	Heavy shock load with some negative torques from reciprocating pumps, compressors, reversing turnout tables	3.0
	Frequent torque reversals such as reciprocating compressors with frequent torque reversals which do not necessarily include reverse rotations	Consult Rexnord Engineering

Coupling Size**	Max. Bore Std hub (SH)	Max. Bore XL hub	Max. Bore XXL hub	A SH	A XL	A XXL	B SH	B XL	B XXL	Min C	G SH	G XL	G XXL
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
726	42	55	65	95	108	129	35	42	51	65	59	73	86
826	52	65	76	108	129	140	42	51	82	77	73	86	104
996	61	76	95	129	140	166	51	82	95	92	86	104	123
1088	76	95	110	140	166	199	82	95	114	96	104	123	145
1298	90	110	125	166	199	220	95	114	122	115	123	145	165
1548	105	125	135	199	220	245	114	122	135	135	145	165	182
1698	125	135	150	220	245	264	122	135	155	151	165	182	200
1928	135	150	155	245	264	291	135	155	167	161	182	200	220
2068	150	155	185	264	291	313	155	167	190	187	200	220	236
2278	155	180	225	291	313	345	167	190	185	196	220	236	280
2468	166	220	250	313	345	381	190	185	200	209	236	280	308
2698	200	245	270	345	381	405	185	200	191	236	280	308	332
2888	220	260	280	381	405	437	200	191	225	255	308	332	355
3058	235	280	310	405	437	482	191	225	257	257	332	355	398
3358	260	300	330	437	482	503	225	257	249	287	355	398	419
3668	285	320	350	482	503	529	257	249	266	310	398	419	444

Coupling Size**	Max. kW / 100 RPM	Max. RPM		Max. Continuous Torque	Peak Overload Torque	Weight*	Weight Change Per mm of "C"	WR²*	WR² Change Per mm of "C"	Axial Capacity
	1,0	Not Balanced	Balanced	Nm	Nm	kg	kg	kgm²	kgm²	mm
726	3,1	12000	20000	297	594	3,1	0,00311	0,00364	0,000002	±1,3
826	5,8	10900	18500	554	1110	5,0	0,00535	0,00770	0,000005	±1,5
996	9,7	9800	15000	927	1850	8,4	0,00503	0,01880	0,000007	±1,8
1088	23,0	9000	14000	2190	4390	12,5	0,00966	0,0336	0,000014	±1,3
1298	37,2	8000	12000	3550	7100	20,6	0,0118	0,0796	0,000027	±1,6
1548	61,9	7100	10000	5910	11800	34,6	0,0161	0,1890	0,000053	±1,8
1698	85,7	6600	9100	8190	16400	47,0	0,0214	0,318	0,000083	±2,0
1928	116,0	6100	8500	11100	22200	62,7	0,0251	0,533	0,000129	±2,3
2068	161,0	5800	7800	15400	30700	84,9	0,0325	0,840	0,000188	±2,5
2278	209,0	5500	7100	19900	39900	110	0,0378	1,300	0,000268	±2,7
2468	274,0	5200	6500	26200	52400	143	0,0451	1,94	0,000379	±3,0
2698	376,0	4800	6000	35900	71900	184	0,0572	3,30	0,000561	±3,2
2888	492,0	4600	5700	47000	94000	257	0,0716	5,35	0,000771	±3,5
3058	545,0	4400	5400	52000	104000	274	0,0723	6,80	0,000918	±3,7
3358	735,0	4200	4700	70200	140000	366	0,0907	10,40	0,000138	±4,0
3668	987,0	3900	4400	94300	189000	521	0,111	17,60	0,00202	±4,4

* Weight and WR² calculated with standard adapters at minimum C dimension and with max. bore.
** Sizes up to 283 000 Nm and max bore 430 mm

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Design Features include:
- Optimum torque density providing low overhung loads/lower cost of ownership
- Unitized disc pack for easy installation
- Tapered bolt design providing quick installation without damaging the disc pack
- Manganese Phosphate standard protective coating

Applications:
- Pumps
- Compressors
- Fans
- Synchronized rollers
- Wire Feeders
- Blowers

Industry Compliant:
- ISO 14691
- ATEX II 2GD c T6

Special design options:
- Electrically insulated
- Torsionally adjusted
- Limited end float
- Torque meter
- Reduced sparking

Rexnord Thomas XTSR52 Disc Coupling

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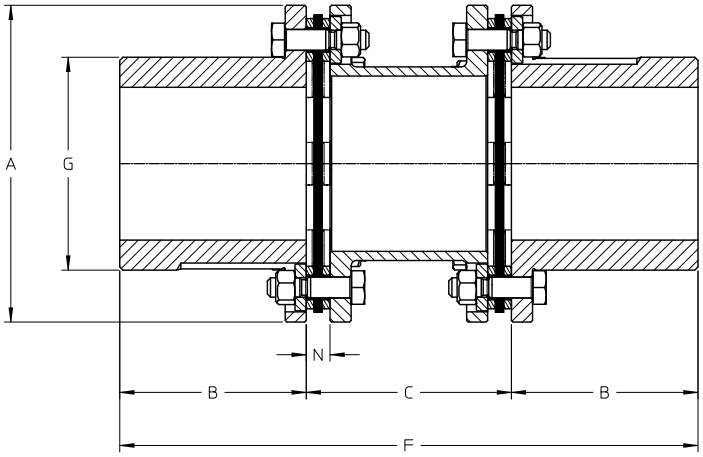
Thomas XTSR52
For decades the reliability of Thomas® SR52 couplings have led the industry as the most highly specified disc coupling by rotating equipment engineers around the globe. Rexnord has advanced the design and performance with the introduction of the XTSR52. The new design is engineered with optimum torque density ratios to minimize overhung loads while transmitting maximum torque and ensuring reliable and safe performance. The XTSR52 is available as a standard flexible membrane coupling or in special designs including torsionally tuned, breaker pin, electrically insulated, brake drum and brake disc.

ATEX II 2GD c T6



Torque Demands Driven Machine	Typical Application for Electric Motor or Turbine Driven Equipment	Typical Service Factor
	Constant torque such as centrifugal pumps blowers and compressors	1.0
	Continuous duty with some torque variations including plastic extruders and forced draft fans	1.5
	Light shock loads from metal extruders, cooling towers and log haulers	2.0
	Moderate shock loading as expected from a car dumper, stone crusher, vibrating screen	2.5
	Heavy shock load with some negative torques from reciprocating pumps, compressors, reversing turnout tables	3.0
	Frequent torque reversals such as reciprocating compressors with frequent torque reversals which do not necessarily include reverse rotations	Consult Rexnord Engineering

Coupling Size**	Max. Bore	A	B	Standard "C" Dimensions				Min. C	F	G	N
	mm	mm	mm	100	140	180	250	mm	mm	mm	mm
726	45	95	30	•				40	100	63,8	8,6
826	50	108	50	•	•			47	147	71,8	9,3
996	60	129	50	•	•	•		54	154	84,4	9,6
1088	65	140	81	•	•	•	•	58	220	92,1	10,4
1298	80	166	97		•	•	•	70	264	110,6	12,9
1548	95	197	97		•	•	•	81	275	132,4	14,8
1698	105	218	110					89	309	146,9	15,8
1928	120	245	110					96	316	167,7	17,1
2068	130	264	125					109	359	178,6	18,4
2278	140	291	145					115	405	196,7	19,2
2468	150	313	150					123	423	213,5	20,5
2698	165	343	150					139	439	232,1	23,5
2888	175	371	175					151	501	246,0	25,2
3058	185	395	185					152	522	263,0	25,2
3358	215	427	245					168	658	288,1	27,3
3668	225	466	281					184	746	315,2	30,4

Coupling Size**	Max. kW / 100 RPM	Max. RPM		Max. Continuous Torque Nm	Peak Overload Torque Nm	Weight* kg	Weight Change Per mm of "C" kg	WR²* kgm²	WR² Change Per mm of "C" kgm²	Axial Capacity mm
	SF 1,0	Not Balanced	Balanced							
726	3,11	12000	20000	297	594	1,57	0,00363	0,00197	0,00000218	±1,3
826	5,8	10900	18500	554	1110	2,97	0,0056	0,00459	0,0000046	±1,5
996	9,7	9800	15000	927	1850	4,56	0,0051	0,01000	0,0000061	±1,8
1088	23,0	9000	14000	2190	4390	7,90	0,0098	0,01930	0,0000130	±1,3
1298	37,2	8000	12000	3550	7100	13,50	0,0123	0,04710	0,0000252	±1,6
1548	61,9	7100	10000	5910	11800	20,11	0,0176	0,10339	0,0000528	±1,8
1698	85,7	6600	9100	8190	16400	27,76	0,0219	0,17345	0,0000773	±2,0
1928	116,0	6100	8500	11100	22200	37,04	0,0268	0,29972	0,000124	±2,3
2068	161,0	5800	7800	15400	30700	48,77	0,0339	0,45403	0,000177	±2,5
2278	209,0	5500	7100	19900	39900	65,74	0,0395	0,73569	0,000254	±2,7
2468	274,0	5200	6500	26200	52400	81,57	0,0475	1,07038	0,000365	±3,0
2698	376,0	4800	6000	35900	71900	103,59	0,0606	1,67348	0,000544	±3,2
2888	492,0	4600	5700	47000	94000	139,41	0,0777	2,57104	0,000759	±3,5
3058	545,0	4400	5400	52000	104000	161,46	0,0771	3,34156	0,000899	±3,7
3358	735,0	4200	4700	70200	140000	231,56	0,0958	5,50210	0,00134	±4,0
3668	987,0	3900	4400	94300	189000	311,00	0,1170	8,80000	0,00196	±4,4

* Weight and WR² calculated at minimum DBSE and Max. Bore.
** Sizes up to 283 000 Nm and max bore 320 mm

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Design Features include:
- Unitized and piloted center member allowing easy installation and repeatable balance
- Bolt on hubs for oversize bore capacity
- Unique jacking bolt feature compressing coupling for easy installation and removal of center member assembly

Applications:
- Pumps
- Compressors
- Fans
- Paper Machines
- Synchronized rollers
- Wire Feeders
- Blowers

Industry Compliant:
- API 671/ISO 10441 (when specified)
- API 610/ISO 13709
- ISO 14691
- ATEX II 2GD c T5

Special design options:
- Electrically insulated
- Torsionally adjusted
- Limited end float
- Torque meter
- Reduced sparking

Rexnord Thomas SR71 Disc Coupling

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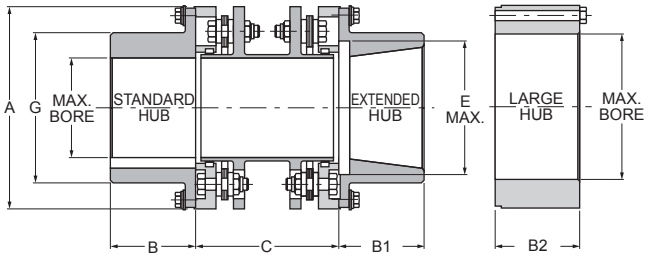
Thomas SR71
Spacer style flexible metallic disc coupling designed for your pump and compressor applications. The simple three piece design and piloted center member provide fast installation and repeatable balance significantly reducing your installation and service time. The six bolt style offers high misalignment and large axial capacity.

ATEX II 2GD c T5



Torque Demands Driven Machine	Typical Application for Electric Motor or Turbine Driven Equipment	Typical Service Factor
	Constant torque such as centrifugal pumps blowers and compressors	1.0
	Continuous duty with some torque variations including plastic extruders and forced draft fans	1.5
	Light shock loads from metal extruders, cooling towers and log haulers	2.0
	Moderate shock loading as expected from a car dumper, stone crusher, vibrating screen	2.5
	Heavy shock load with some negative torques from reciprocating pumps, compressors, reversing turnout tables	3.0
	Frequent torque reversals such as reciprocating compressors with frequent torque reversals which do not necessarily include reverse rotations	Consult Rexnord Engineering

Coupling Size	Standard "C" Dimensions				B&B1 Hub	B2 Hub	A	B	B1	B2	Min C	Max E	G
	100 (mm)	140 (mm)	180 (mm)	250 (mm)	Max Bore (mm)	Max Bore (mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
150	•	•	•		39	64	91	33,3	42,9	41,1	87	52	59
175	•	•	•	•	50	73	106	39,6	52,3	46	87	65	71
225	•	•	•	•	58	87	125	50,8	63,5	52,3	87	78	85
300		•	•	•	81	110	152	66,5	82,6	69,9	102	105	113
350			•	•	95	120	171	79,2	95,3	76,2	124	127	133
375					100	137	194	82,6	101,6	82,6	127	135	144
412					110	145	203	91,9	111,3	91,9	155	146	155
462					130	166	229	104,6	127	104,6	178	160	174
512					140	187	255	114,3	136,7	114,3	191	179	194
562					156	200	279	127,0	152,4	127	203	195	213
600					166	220	298	133,4	162,1	133,4	229	211	227

Coupling Size	Max RPM		Max Continuous Torque	Peak Overload Torque	Weight*	Weight Change Per mm of "C"	WR²*	WR² Change Per mm of "C"	Axial Capacity
	Not Balanced	Balanced	(Nm)	(Nm)	(Kg)	(Kg)	(Kgm²)	(Kgm²)	(mm)
150	9 000	20 800	105	210	3,0	0,0008	0,0031	0,00179	±0,127
175	8 300	17 000	184	368	4,3	0,001	0,0060	0,00288	±0,178
225	7 700	16 000	345	691	6,4	0,003	0,0123	0,00340	±0,191
300	6 800	14 000	820	1 639	11,8	0,008	0,0354	0,00465	±2,159
350	6 200	13 500	1 513	3 026	19,5	0,014	0,0758	0,00751	±2,296
375	5 650	12 000	2 179	4 358	25,0	0,019	0,1238	0,00769	±2,413
412	5 350	11 000	2 540	5 080	32,2	0,033	0,1799	0,01072	±2,794
462	5 000	10 000	4 561	9 122	45,9	0,054	0,3248	0,01430	±3,048
512	4 700	9 200	6 209	12 418	61,3	0,086	0,5355	0,01859	±3,302
562	4 350	8 300	9 494	18 988	84,4	0,120	0,8837	0,02288	±3,683
600	4 150	7 800	10 352	20 704	103,5	0,202	1,2436	0,03128	±4,064

* Weight (m) and inertia (WR²) calculated at minimum DBSE and maximum bore.

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Design Features include:
- Unitized and piloted center member allowing easy installation and repeatable balance
- Bolt on hubs for oversize bore capacity
- Unique jacking bolt feature compressing coupling for easy installation and removal of center member assembly

Applications:
- Pumps
- Compressors
- Fans
- Synchronized rollers
- Wire Feeders
- Blowers

Industry Compliant:
- API 671/ISO 10441 (when specified)
- API 610/ISO 13709
- ISO 14691
- ATEX II 2GD c T5

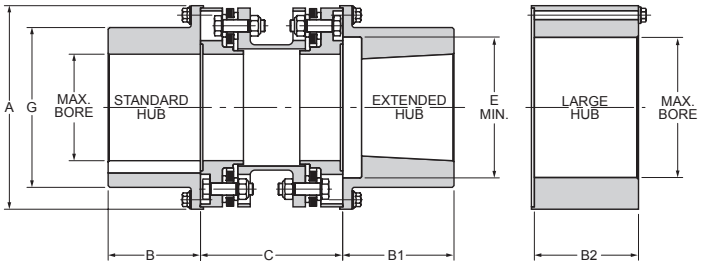
Special design options:
- Electrically insulated
- Torsionally adjusted
- Limited end float
- Torque meter
- Reduced sparking

Rexnord Thomas SR71-8 Disc Coupling

Customer-focused solutions.
Reliable Performance.
Trusted Brands.
You want a trusted name when it comes to providing engineered power transmission products that improve productivity and efficiency. Rexnord® provides superior products for your industrial applications world wide. We work closely with you to reduce maintenance costs, eliminate redundant inventories and prevent equipment downtime.

Thomas SR71-8
The Thomas SR71-8 coupling is a spacer style flexible metallic disc coupling designed for your pump and compressor applications. The simple three piece design and piloted center member provide fast installation and repeatable balance significantly reducing your installation and service time.

ATEX II 2GD c T5



Torque Demands Driven Machine	Typical Application for Electric Motor or Turbine Driven Equipment	Typical Service Factor
	Constant torque such as centrifugal pumps blowers and compressors	1.0
	Continuous duty with some torque variations including plastic extruders and forced draft fans	1.5
	Light shock loads from metal extruders, cooling towers and log haulers	2.0
	Moderate shock loading as expected from a car dumper, stone crusher, vibrating screen	2.5
	Heavy shock load with some negative torques from reciprocating pumps, compressors, reversing turnout tables	3.0
	Frequent torque reversals such as reciprocating compressors with frequent torque reversals which do not necessarily include reverse rotations	Consult Rexnord Engineering

Coupling Size	Standard "C" Dimensions				B&B1 Hub	B2 Hub	A	B	B1	B2	Min C	Max E	G
	140 (mm)	180 (mm)	250 (mm)	300 (mm)	Max Bore (mm)	Max Bore (mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
225	•	•	•		80	100	152	63,5	79,2	77,7	121	106	116
262	•	•	•		95	112	175	77,7	93,7	90,4	140	119	132
312		•	•		112	140	203	90,4	109,5	104,6	152	146	160
350		•	•	•	130	155	227	98,6	120,7	114,3	171	165	179
375			•	•	144	176	252	112,8	134,9	131,1	184	181	202
425					158	189	273	124,0	149,4	139,7	191	189	214
450					170	205	294	128,5	157,2	152,4	222	213	236
500					196	241	333	150,9	179,3	171,5	260	232	267
550					215	Consult	373	166,6	198,4	Consult	292	254	292
600					242	Consult	416	182,6	214,4	Consult	318	298	336
700					248	Consult	471	211,1	246,1	Consult	368	325	373
750					275	Consult	511	227,1	261,9	Consult	400	363	413

Coupling Size	Max RPM		Max Continuous Torque	Peak Overload Torque	Weight*	Weight Change Per mm of "C"	WR²*	WR² Change Per mm of "C"	Axial Capacity
	Not Balanced	Balanced	(Nm)	(Nm)	(Kg)	(Kg)	(Kgm²)	(Kgm²)	(mm)
225	7 500	14 000	1 976	3 951	12,6	0,00679	0,037	0,000012	±0,91
262	6 800	12 500	3 706	7 413	19,5	0,00822	0,078	0,000022	±1,09
312	6 200	11 500	5 803	11 605	30,4	0,00983	0,170	0,000038	±1,29
350	5 700	10 500	7 552	15 105	43,1	0,01341	0,302	0,000065	±1,42
375	5 200	9 800	11 323	22 646	60,8	0,01877	0,522	0,000106	±1,57
425	5 000	9 300	15 161	30 323	76,7	0,02181	0,765	0,000145	±1,70
450	4 700	8 700	16 979	33 958	99,9	0,02842	1,176	0,000207	±1,82
500	4 200	7 900	27 817	55 633	154,8	0,03789	2,353	0,000362	±2,02
550	3 900	7 300	37 300	74 599	215,7	0,04737	4,076	0,000574	±2,33
600	3 600	6 800	48 973	97 945	296,5	0,05452	7,060	0,000796	±2,59
700	3 300	6 200	76 180	152 359	436,3	0,07382	13,138	0,001359	±2,92
750	3 100	5 800	94 694	189 388	563,9	0,09241	20,254	0,002016	±3,17

* Weight (m) and inertia (WR²) calculated at minimum DBSE and maximum bore.

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Design Features include:
- Unitized disc packs allowing easy installation
- High torque to outer diameter ratio resulting in smaller coupling selection and higher speed potential

Applications:
- Pumps
- Compressors
- Fans

Industry Compliant:
- ISO 14691
- ATEX II 2GD c T5

Special design options:
- Electrically insulated
- Torsionally adjusted
- Limited end float
- Torque meter
- Reduced sparking

Rexnord Thomas SR52
Disc Coupling

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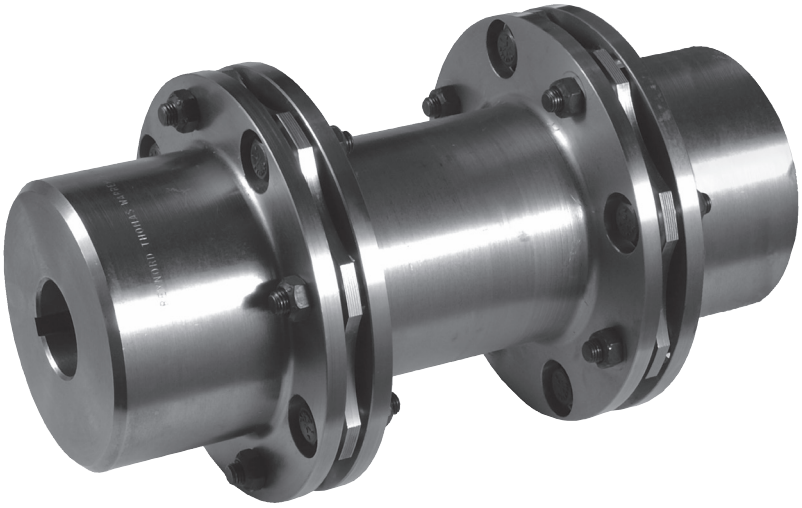
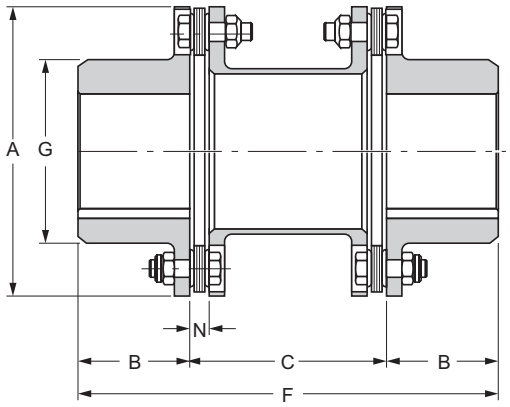
Thomas SR52
The Rexnord Thomas SR52 is a general purpose high speed high torque disc coupling used where minimum coupling weight is desirable. It is available as a standard flexible membrane coupling or in special designs including torsionally tuned, breaker pin, electrically insulated, brake drum and brake disc.



ATEX II 2GD c T5



Torque Demands Driven Machine	Typical Application for Electric Motor or Turbine Driven Equipment	Typical Service Factor
	Constant torque such as centrifugal pumps blowers and compressors	1.0
	Continuous duty with some torque variations including plastic extruders and forced draft fans	1.5
	Light shock loads from metal extruders, cooling towers and log haulers	2.0
	Moderate shock loading as expected from a car dumper, stone crusher, vibrating screen	2.5
	Heavy shock load with some negative torques from reciprocating pumps, compressors, reversing turnout tables	3.0
	Frequent torque reversals such as reciprocating compressors with frequent torque reversals which do not necessarily include reverse rotations	Consult Rexnord Engineering

Coupling Size	n max		Max torque		Max. Bore	A	B	Cmin	C std.	Fmin	G	N	Weight*	Weight Change per mm of C	WR²*	WR² Change per mm of C	Axial Capacity
	not balanced	balanced	Continuous	Peak													
	min-1	min-1	Nm	Nm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	kgm²	kgm²	mm
125	5000	15000	305	610	34	94	33	51,6	Standard C dimension see table below	118	52	6,7	2,2	0,0028	0,002	0,002	±0,91
162	4600	15000	604	1208	50	110	44	51,6		140	70	7,1	3,7	0,0037	0,005	0,003	±0,91
200	4250	15000	1186	2371	58	138	52	66,8		171	83	9,1	6,6	0,0045	0,014	0,007	±0,91
225	4100	14000	1976	3952	70	144	67	69,9		204	96	9,1	8,1	0,0047	0,02	0,008	±0,91
262	3900	13000	3707	7414	84	168	73	81,8		228	114	11,9	13,6	0,0072	0,044	0,015	±1,09
312	3450	11700	5804	11607	97	198	86	95,3		267	133	12,7	22,7	0,0087	0,102	0,027	±1,3
350	3200	10500	7554	15107	110	221	95	105,7		296	146	13,5	31,5	0,0097	0,18	0,037	±1,42
375	3000	9400	11325	22650	120	246	102	116,6		327	165	15,1	44,7	0,0133	0,31	0,061	±1,57
425	2800	8700	15164	30327	130	267	108	125,5	250	341	178	15,9	57,5	0,0173	0,44	0,094	±1,7
450	2700	8100	16982	33963	140	287	114	135,6	250	364	189	18,3	70,7	0,0184	0,66	0,011	±1,83
500	2500	7100	27821	55642	146	327	127	153,2	250	407	213	19,8	102	0,0245	1,25	0,198	±2,08
550	2300	6300	37305	74611	166	367	140	174,8	250	455	240	23	142	0,0387	2,23	0,382	±2,34
600	2150	5700	48980	97960	176	406	152	190,5	250	495	260	24,6	186	0,0430	3,58	0,525	±2,59
700	1950	5000	76191	152383	205	464	178	217,4	300	573	298	30,5	259	0,0714	4,82	1,04	±2,92
750	1850	4600	98096	196191	224	503	191	235	300	617	321	32,3	327	0,0893	7,17	1,5	±3,18
800	1750	4300	121795	243591	241	546	210	254,5	300	675	346	34	413	0,1071	10,8	2,3	±3,45
850	1600	3900	143734	287467	250	584	222	273,1	350	717	368	35,6	503	0,1071	15	2,3	±3,66
925	1500	3600	194656	389312	270	635	241	292,1	500	774	400	38,1	662	0,1429	23,3	4,61	±3,96
1000	900	3250	220173	440347	300	699	267	368	500	902	438	42,9	853	0,1607	36	5,83	±4,37
1100	800	3100	262514	525029	320	741	286	406	600	978	470	44,5	1021	0,1964	49,3	9,15	±4,65
1200	650	2800	320098	640196	345	816	311	432	600	1054	514	50	1365	0,2679	78,8	13,74	±5,16
1300	600	2600	382763	765526	380	876	337	457	700	1131	556	51,6	1660	0,2679	109,6	15,55	±5,54

* Weight (m) and inertia (WR²) calculated at minimum DBSE and maximum bore.

Coupling Size	mm						inch						
	100	140	180	250	300	400	3,5	4	5	5,5	6	7	8
125	•	•											
162	•	•	•						•				
200	•	•							•				
225	•	•	•	•					•				
262		•	•	•					•				
312		•	•	•									•
350			•	•							•		•
375			•	•								•	

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Design Features include:

- Easy installation and reduced maintenance costs with the axially split center member
- Stainless steel disc packs are supplied as standard
- High torque and speed capacity with the piloted split center spool

Applications:

- Pumps
- Compressors
- Conveyors
- Paper machines
- Pulpers
- Mill drives

Industry Compliant:

- API 610/ISO 13709
- ISO 14691
- ATEX II 2G c T5

Rexnord Thomas SR54RDG Disc Coupling

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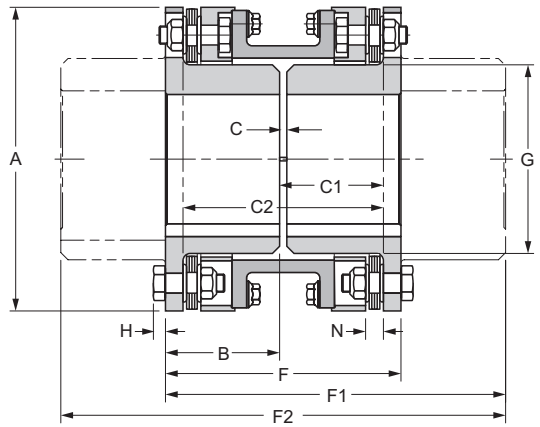
Thomas SR54RDG

Reduced diameter close coupled flexible metallic disc coupling with high power density. The split piloted center member design provides high speed and torque ratings while permitting service of the coupling without moving the hubs or connected equipment.

ATEX II 2G c T5



Torque Demands Driven Machine	Typical Application for Electric Motor or Turbine Driven Equipment	Typical Service Factor
	Constant torque such as centrifugal pumps blowers and compressors	1.0
	Continuous duty with some torque variations including plastic extruders and forced draft fans	1.5
	Light shock loads from metal extruders, cooling towers and log haulers	2.0
	Moderate shock loading as expected from a car dumper, stone crusher, vibrating screen	2.5
	Heavy shock load with some negative torques from reciprocating pumps, compressors, reversing turnout tables	3.0
	Frequent torque reversals such as reciprocating compressors with frequent torque reversals which do not necessarily include reverse rotations	Consult Rexnord Engineering

Coupling Size	Max Bore Internal mm	A mm	B mm	C mm	C1** mm	F mm	F1** mm	H mm	N mm	G mm	C2*** mm	F2*** mm
125	30	97	48	3,0	44,5	99	125	4,3	6,9	44	85,9	152,4
162	42	114	48	3,0	45,0	99	137	4,3	7,4	59	86,9	175,8
200	58	141	54	3,0	49,8	111	156	5,6	9,1	83	96,5	201,2
225	65	149	56	3,0	51,6	114	174	5,6	9,1	89	100,1	233,2
262	74	175	66	4,8	61,5	136	200	6,4	11,9	105	118,1	264,4
312	95	199	72	4,8	66,5	149	225	7,6	12,7	127	128,3	300,0
350	100	223	83	6,4	77,7	173	256	8,6	13,7	140	149,1	339,6
375	114	247	90	6,4	82,8	187	275	9,9	15,0	154	159,3	362,5
425	120	267	101	6,4	91,7	208	300	10,7	15,7	167	177,0	392,9
450	130	287	114	7,9	105,4	236	334	11,9	18,0	178	202,9	431,5
500	137	327	121	7,9	109,7	251	358	12,7	19,8	200	211,6	465,6
550	150	367	136	9,7	123,7	282	400	14,7	23,1	222	237,7	517,1
600	166	406	152	9,7	137,2	314	442	17,0	24,9	236	264,7	569,5
700	195	464	178	9,7	158,0	365	514	19,1	30,5	276	306,3	661,9

** One internal and one external hub.
*** Two external hubs.

Coupling Size	Max RPM (1)		Max Continuous Torque	Peak Overload Torque	m (2)	J (2)	Axial Capacity
	Not Balanced	Balanced	Nm	Nm	kg	kgm²	mm
125	4 600	10 500	305	610	3,1	0,004	±0,91
162	4 200	9 700	604	1 208	4,2	0,007	±0,91
200	3 800	8 600	1 185	2 371	7,3	0,020	±0,91
225	3 700	8 400	1 976	3 951	8,6	0,025	±0,91
262	3 600	7 400	3 706	7 413	14,1	0,056	±1,09
312	3 000	6 700	5 803	11 605	20,9	0,112	±1,29
350	2 800	6 200	7 552	15 105	30,0	0,202	±1,42
375	2 500	4 800	11 323	22 646	40,0	0,339	±1,57
425	2 300	5 400	15 161	30 323	53,1	0,521	±1,70
450	2 200	5 000	16 979	33 958	69,9	0,787	±1,82
500	2 000	4 600	27 817	55 633	101,7	1,454	±2,02
550	1 900	4 200	37 300	74 599	147,1	2,625	±2,33
600	1 800	3 900	48 973	97 945	198,4	4,360	±2,59
700	1 700	3 600	76 180	152 359	298,3	8,485	±2,92

Larger sizes to 194.600 Nm MCT available upon request.
(1) Contact Rexnord for explanation of RPM limits and balancing recommendations.
(2) Weight (m) and Inertia (J) with standard length hubs, maximum bore and standard C.

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Design Features include:
- Unitized disc pack (T-Pack) for easy installation
- Robust and economical design with the cast* hubs and center member
- Open lug type center member for reciprocating applications
- Flywheel adapter plate bolts directly to the flywheel of an engine or compressor

* Sizes 162 - 600 forged steel hub, sizes 700+ cast iron hub

Applications:
- Compressors
- Mill drives
- Conveyors
- Crushers
- Generators
- Diesel engine drives

Industry Compliant:
- ATEX II 2G c T5

Special design options:
- Mechanical clamping hubs
- SAE and special flange adapters
- Hydraulic shaft-hub connections

Rexnord Thomas AMR/CMR Disc Coupling

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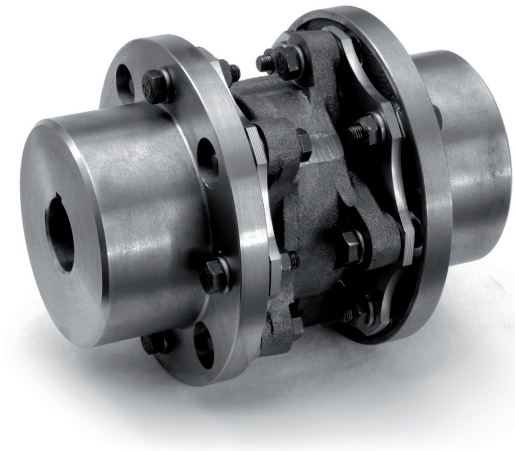
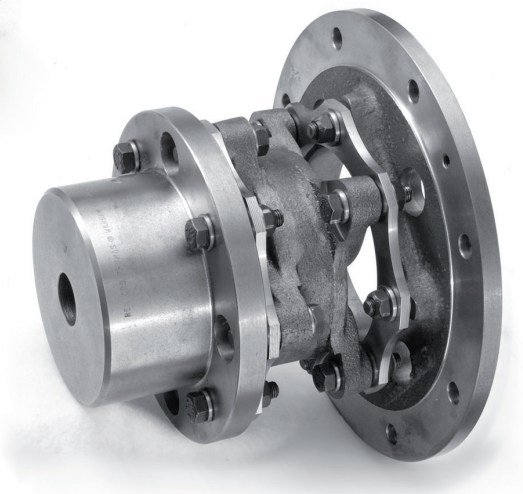
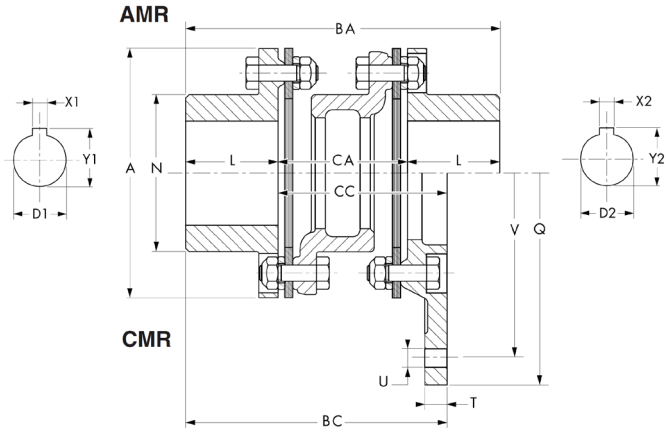
Thomas AMR/CMR
The Thomas AMR/CMR couplings are used in heavy duty slow to medium speed applications where shock loads, torque reversals or continuous alternating torque is present. New steel hub design allows larger bore capacity. CMR design uses a flywheel adapter plate to bolt directly to the flywheel of an engine or compressor.





ATEX II 2G c T5



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	Heavy shock load with some negative torques from reciprocating pumps, compressors, reversing turnout tables	3.0
	Frequent torque reversals such as reciprocating compressors with frequent torque reversals which do not necessarily include reverse rotations	Consult Rexnord Engineering

Q std inch	U	V		U	V	
	Light duty S.A.E. (4)			Heavy duty Thomas (4)		
		inch	mm		inch	mm
8 1/2	6 x 8,7	7 7/8	200,0	8 x 10,3	7 1/2	190,50
9 1/2	8 x 8,7	8 3/4	222,3	8 x 11,9	8 5/8	219,80
10 3/8	6 x 10,3	9 5/6	249,8	8 x 11,9	9 1/2	241,30
12 3/8	8 x 10,3	11 5/8	295,3	8 x 13,5	11 1/2	292,10
13 7/8	8 x 10,3	13 1/8	333,4	8 x 16,7	12 1/2	317,50
16	-	-	-	8 x 19,8	14 3/8	365,13
18 3/8	8 x 13,5	17 1/4	438,2	8 x 19,8	16 3/4	425,45
20 3/8	8 x 13,5	19 1/4	489,0	8 x 23,0	18 1/2	469,90
22 1/2	6 x 16,7	21 3/8	542,9	8 x 26,2	20 1/2	520,70
26 1/2	12 x 16,7	25 1/4	641,4	12 x 26,2	24 1/2	622,30
28 7/8	12 x 19,8	27 1/4	692,2	12 x 26,2	26 7/8	682,63

Size	Dim. Q in mm inch										
	215,9	241,3	263,5	314,3	352,4	406,4	466,7	517,5	571,5	673,1	733,4
	8 1/2	9 1/2	10 3/8	12 3/8	13 7/8	16	18 3/8	20 3/8	22 1/2	26 1/2	28 7/8
162	√	√	√	√							
200	√	√	√	√	√						
225	√	√	√	√	√						
262	√	√	√	√	√	√	√				
312		√	√	√	√	√	√	√	√		
350				√	√	√	√	√	√		
375				√	√	√	√	√	√		
425					√	√	√	√	√		
450						√	√	√	√	√	
500						√	√	√	√	√	√
550							√	√	√	√	√
600							√	√	√	√	√
700								√	√	√	√
750										√	√
800										√	√
850											√

For larger sizes please contact Rexnord

Size	Max Continuous Torque (Nm)	n_{max} min^{-1}	D1 D2 min.	D1 D2 max. (*)	A	BA	BC	CA	CC	L	N	Q min.	T	J AMR kgm^2 (**)	J CMR kgm^2 (**)	m AMR kg (**)	m CMR kg (**)
162	648	2 500	0	50	117	156	129	66,7	84,1	44	70	159	7,9	0,006	0,008	4,0	3,6
200	1 245	2 500	0	60	146	184	152	76,2	98,4	54	92	187	9,5	0,016	0,020	6,4	5,4
225	1 758	2 500	0	70	152	203	162	76,2	98,4	64	98	194	9,5	0,021	0,038	8,5	7,3
262	2 375	2 500	0	85	175	235	186	88,9	113,7	73	114	216	11,1	0,043	0,055	12,5	11,8
312	2 670	2 500	0	95	206	276	221	104,8	134,9	86	138	241	12,7	0,108	0,114	22,0	18,1
350	5 961	2 300	0	110	232	306	244	115,9	149,2	95	152	276	12,7	0,183	0,184	30,5	25,4
375	8 968	2 200	0	120	256	333	270	130,2	168,3	102	165	302	14,3	0,299	0,304	41,5	34,9
425	9 935	2 000	0	130	280	357	289	141,3	181,0	108	178	333	15,9	0,468	0,521	53,5	45,8
450	15 367	1 900	0	140	302	379	308	150,8	193,7	114	189	375	17,5	0,626	0,723	64,4	57,2
500	22 663	1 800	68	145	341	427	349	173,0	222,2	127	213	406	19,1	1,24	1,393	91,6	81,6
550	31 052	1 800	68	166	381	475	391	185,3	250,8	140	240	457	22,2	2,02	2,253	126	111
600	40 514	1 800	94	170	425	519	429	214,3	276,3	152	262	467	25,4	3,22	3,599	170	150
700	51 535	1 500	108	175	481	600	494	244,5	315,9	178	298	518	25,4	6,29	6,818	260	227
750	72 808	1 500	125	190	524	635	527	266,7	342,9	184	321	610	28,6	9,45	10,036	310	277
800	91 869	1 200	132	200	568	683	572	288,9	374,7	197	349	651	31,8	17,15	17,176	405	363
850	101 456	1 100	138	215	603	727	610	308,0	400,0	210	368	695	31,8	20,25	21,448	500	442
925	144 647	1 000	151	235	654	794	667	336,6	438,2	229	403	734	34,9	31	31,31	630	535
1000	167 894	900	165	254	718	851	713	368,0	471,0	241	445	803	41,1	52	47	855	743
1100	230 978	800	178	279	768	914	764	394,0	503,0	260	470	848	44,5	74	75	1026	878
1200	248 612	650	191	305	848	992	827	433,0	548,0	279	514	953	50,8	120	124	1346	1 148
1300	269 475	600	203	330	914	1075	897	465,0	592,0	305	572	1013	53,8	171	172	1755	1 494
1550	352 676	600	216	394	997	1230	972	494,0	603,0	368	660	1108	53,8	270	255	2318	1 845

* Maximum bores for keyways as per ISO R773
** Weight (m) and inertia (J) for maximum bore and minimum adapter diameter

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Design Features include:

- Corrosion-resistant center member, flex element, hub and hardware lowering the cost of ownership and extending service life
- Low weight allowing easy installation
- High strength to weight ratio providing reduced vibration
- Low coefficient of thermal expansion giving dimensional stability and reduced stresses
- Continuous fiber composite spacer flange resulting in infinite fatigue life and low cost of ownership
- Unitized flex element and high misalignment capacity for reduced maintenance

Applications:

- Cooling towers
- Vertical pumps

Industry Compliant:

- ISO 14691
- ATEX II 2G c T5

Special design options:

- Brake disc
- Backstop
- Electrically insulated

Rexnord Addax
Composite Coupling

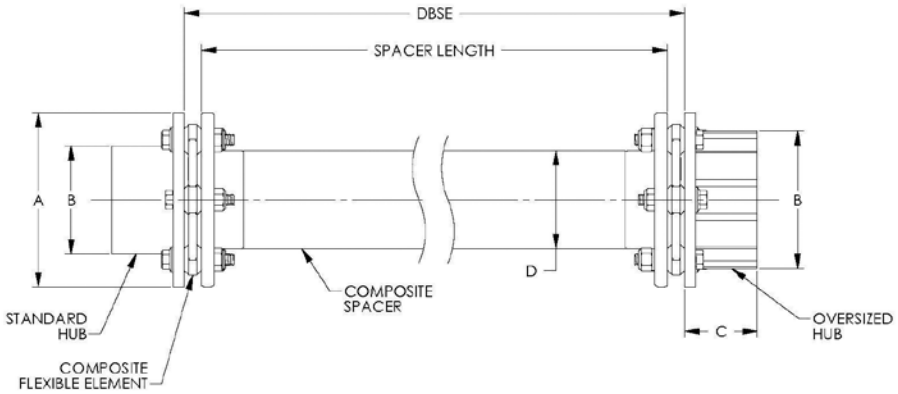
Customer-focused solutions.
Reliable Performance.
Trusted Brands.

You want a trusted name when it comes to providing engineered power transmission products that improve productivity and efficiency. Rexnord® provides superior products for your industrial applications world wide. We work closely with you to reduce maintenance costs, eliminate redundant inventories and prevent equipment downtime.

Rexnord Addax

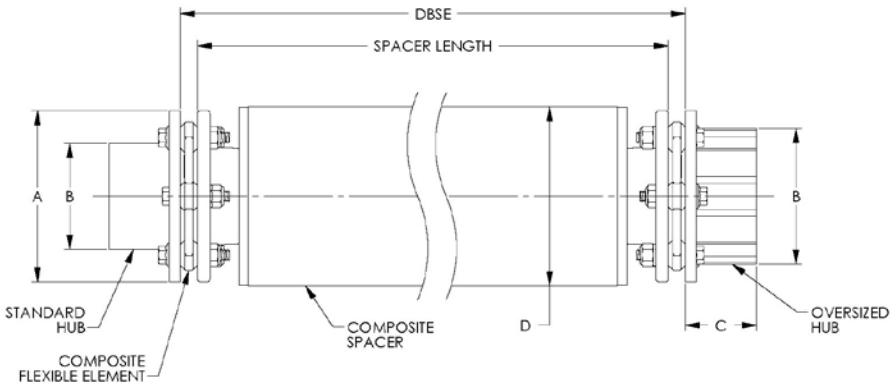
Rexnord pioneered and introduced the first advanced composite couplings to the cooling tower industry in 1987. With over 50 000 Rexnord Addax® composite couplings installed on every continent around the world over the past 25 years, Rexnord has the most experience of any composite cooling tower manufacturer. The Rexnord Addax Composite Cooling Tower Coupling delivers the best value for the cooling tower industry by providing excellent features such as corrosion resistance, high-misalignment capacity, excellent fatigue resistance, low weight and ease of installation.

ATEX II 2GD c T5



Model Series	Spacer & Flange Material	Max DBSE @ 1780 RPM @ 1.15SF (in) mm	Max DBSE @ 1480 RPM @ 1.15SF (in) mm	Max Bore Standard (in) mm	Max Bore Oversized (in) mm	A (in) mm	B Standard (in) mm	B Oversized (in) mm	C Standard (in) mm	C Oversized (in) mm	D (in) mm	Min DBSE (in) mm	Min Bore (in) mm
350.275	LRF	(95) / 2 413	(106) / 2 692	(2,13) / 55	(2,38) / 65	(5,25) / 133	(3,06) / 78	(4) / 102	(1,81) / 46	(2,6) / 66	(2,75) / 70	(5,4) / 137	(0,63) / 16
	LRA	(107) / 2 718	(119) / 3 023										
	LRR	(114) / 2 896	(126) / 3 200										
375.275	LRF	(95) / 2 413	(106) / 2 692	(2,13) /55	(2,38) / 65	(5,25) / 133	(3,06) / 78	(4) / 102	(1,81) / 46	(2,6) / 66	(2,75) / 70	(5,4) / 137	(0,63) / 16
	LRA	(107) / 2 718	(119) / 3 023										
	LRR	(114) / 2 896	(126) / 3 200										
450.275	LRF	(95) / 2 413	(106) / 2 692	(2,25) / 55	(2,88) / 75	(5,25) / 133	(3,15) / 80	(4) / 102	(1,81) / 46	(2,63) / 67	(2,75) / 70	(5,4) / 137	(0,63) / 16
	LRA	(107) / 2 718	(119) / 3 023										
	LRR	(114) / 2 896	(126) / 3 200										
	LRX	(128) / 3 251	(141) / 3 581										
485.338	LRF	(100) / 2 540	(113) / 2 870	(2,63) / 70	(3,38) / 85	(6,00) / 152	(3,72) / 94	(4,75) / 121	(2,5) / 63,5	(2,75) / 70	(3,38) / 86	(8,0) / 203	(0,87) / 22
	LRA	(116) / 2 946	(127) / 3 226										
	LRR	(127) / 3226	(140) / 3 556										
485.425	LRR	(141) / 3 581	(154) / 3 912	(2,63) / 70	(3,38) / 85	(6,00) / 152	(3,72) / 94	(4,75) / 121	(2,5) / 63,5	(2,75) / 70	(4,25) / 108	(8,0) / 203	(0,87) / 22
	LRX	(154) / 3 912	(169) / 4 293										
485.625	LRR	(170) / 4 318	(189) / 4 800	(2,63) / 70	(3,38) / 85	(6,00) / 152	(3,72) / 94	(4,75) / 121	(2,5) / 63,5	(2,75) / 70	(6,25) / 159	(9,5) / 241	(0,87) / 22
650.425	LRA	(133) / 3 378	(148) / 3 759	(3,13) / 80	(4,01) / 100	(6,75) / 171	(4,25) / 108	(5,15) / 133	(2,56) / 65	(2,75) / 70	(4,25) / 108	(6) / 152	(1,00) / 25
	LRR	(141) / 3 581	(154) / 3 912										
	LRX	(154) / 3 912	(169) / 4 293										
650.625	LRR	(170) / 4 318	(189) / 4 800	(3,13) / 80	(4,01) / 100	(6,75) / 171	(4,25) / 108	(5,15) / 133	(2,56) / 65	(2,75) / 70	(6,25) / 159	(9,5) / 241	(1,00) / 25
	LRX	(186) / 4 725	(208) / 5 283										
650.825	LRR	(193) / 4 902	(215) / 5 461	(3,13) / 80	(4,01) / 100	(6,75) / 171	(4,25) / 108	(5,15) / 133	(2,56) / 65	(2,75) / 70	(8,25) / 210	(9,5) / 241	(1,00) / 25
	LRX	(209) / 5 309	(232) / 5 893										
850.625	LRA	(157) / 3 988	(172) / 4 369	std. short (3,125) / 75 std. Long (4.13) / 105	(5,06) / 130	(9,0) / 229	(5,8) / 147	(7,5) / 191	std. short (2,5) / 63,5 std. Long (3,31) / 84,1	(3,5) / 89	(6,25) / 159	(14,2) / 361	(1,00) / 25
	LRR	(170) / 4 318	(189) / 4 800										
	LRX	(186) / 4 725	(208) / 5 283										
850.825	LRR	(193) / 4 902	(215) / 5 461	std. short (3,125) / 75 std. Long (4.13) / 105	(5,06) / 130	(9,0) / 229	(5,8) / 147	(7,5) / 191	std. short (2,5) / 63,5 std. Long (3,31) / 84,1	(3,5) / 89	(8,25) / 210	(14,2) / 361	(1,00) / 25
	LRX	(209) / 5 309	(232) / 5 893										
850.1025	LRX	(229) / 5 817	(253) / 6 426	std. short (3,125) / 75 std. Long (4.13) / 105	(5,06) / 130	(9,0) / 229	(5,8) / 147	(7,5) / 191	std. short (2,5) / 63,5 std. Long (3,31) / 84,1	(3,5) / 89	(10,25) / 260	(14,2) / 361	(1,00) / 25
850.1275	LRX	(245) / 6 223	(275) / 6 985	std. short (3,125) / 75 std. Long (4.13) / 105	(5,06) / 130	(9,0) / 229	(5,8) / 147	(7,5) / 191	std. short (2,5) / 63,5 std. Long (3,31) / 84,1	(3,5) / 89	(12,75) / 324	(14,2) / 361	(1,00) / 25

LRF = Fiberglass LRA = Amalgamation (carbin fiber & fiberglass) LRR = Standard carbon fiber LRX = Special carbon fiber



Model Series	Spacer & Flange Material	Continuous Torque @ 1.0 SF (in-lb) / Nm	Peak Overload Torque (in-lb) / Nm	Weight @ Min DBSE (lbs) / kg	WR² @ Min DBSE (lb-in²) / kgm²	Weight change per length (lb/in) / kg/m	WR² change per length (lb-in²/in) / kgm²/m
350.275	LRF	(3 617) / 408	(5 425) / 613	(13,8) / 6,2	(32) / 0,0093	(0,07) / 1,5	(0,13) / 0,0015
	LRA					(0,06) / 1,2	(0,11) / 0,0013
	LRR					(0,06) / 1,1	(0,10) / 0,0012
375.275	LRF	(5 311) / 600	(7 967) / 900	(13,8) / 6,2	(32) / 0,0093	(0,07) / 1,5	(0,13) / 0,0015
	LRA					(0,06) / 1,2	(0,11) / 0,0013
	LRR					(0,06) / 1,1	(0,10) / 0,0012
450.275	LRF	(7 250) / 820	(10 875) / 1 229	(12,9) / 5,9	(32) / 0,0093	(0,07) / 1,5	(0,13) / 0,0015
	LRA					(0,06) / 1,2	(0,11) / 0,0013
	LRR					(0,06) / 1,1	(0,10) / 0,0012
	LRX					(0,06) / 1,2	(0,10) / 0,0012
485.338	LRF	(11 000) / 1 243	(16 500) / 1 864	(23,4) / 10,6	(47) / 0,014	(0,09) / 1,8	(0,24) / 0,0029
	LRA					(0,08) / 1,5	(0,21) / 0,0024
	LRR					(0,07) / 1,4	(0,19) / 0,0022
485.425	LRR	(11 000) / 1 243	(16 500) / 1 864	(24,0) / 10,9	(74) / 0,022	(0,09) / 1,7	(0,38) / 0,0044
	LRX					(0,09) / 1,8	(0,39) / 0,0045
485.625	LRR	(11 000) / 1 243	(16 500) / 1 864	(26,5) / 12,0	(92) / 0,027	(0,13) / 2,6	(1,2) / 0,015
650.425	LRA	(18 275) / 2 065	(27 415) / 3 097	(31,5) / 14,3	(122) / 0,036	(0,10) / 1,9	(0,42) / 0,0049
	LRR					(0,089) / 1,7	(0,38) / 0,0044
	LRX					(0,092) / 1,8	(0,39) / 0,005
650.625	LRR	(18 275) / 2 065	(27 415) / 3 097	(34,4) / 15,6	(141) / 0,041	(0,13) / 2,6	(1,2) / 0,014
	LRX					(0,14) / 2,7	(1,3) / 0,015
650.825	LRR	(18 275) / 2 065	(27 415) / 3 097	(37,9) / 17,2	(194) / 0,056	(0,18) / 3,4	(2,9) / 0,033
	LRX					(0,18) / 3,6	(3,0) / 0,035
850.625	LRA	(36 200) / 4 090	(54 300) / 6 135	(63,6) / 28,8	(440) / 0,130	(0,15) / 2,9	(1,4) / 0,016
	LRR					(0,13) / 2,6	(1,2) / 0,014
	LRX					(0,14) / 2,7	(1,3) / 0,015
850.825	LRR	(36 200) / 4 090	(54 300) / 6 135	(68,5) / 31,0	(512) / 0,15	(0,18) / 3,4	(2,9) / 0,033
	LRX					(0,18) / 3,6	(3,0) / 0,035
850.1025	LRX	(36 200) / 4 090	(54 300) / 6 135	(74,8) / 33,9	(657) / 0,19	(0,23) / 4,4	(5,8) / 0,067
850.1275	LRX	(36 200) / 4 090	(54 300) / 6 135	(78,4) / 35,6	(768) / 0,22	(0,28) / 5,5	(11,3) / 0,13

The standard weight and inertia (WR²) values are at minimum DBSE and standard minimum bore for a complete assembly. To determine the total weight or inertia subtract the minimum DBSE from the total DBSE required and multiply that value times the WT and/or WR² change per length then add that calculated WT or WR² to the minimum DBSE values. Values may vary slightly depending on your actual bore and key size.

Selection Process

$$\text{System Torque (Nm)} = \frac{kW * 9549}{rpm} * 2.0$$

CTI recommends a service factor of 2.0 for cooling tower applications

Consult general dimension chart for maximum span using 1.15 safety factor

Consult general dimension chart for maximum bore size

Ordering Instruction

		F, A, R, X	Table	Table	Stainless	S=stainless M=monel			
L	R				S				
Longspan	Reinforced	Spacer and Flange Material	Model	Series	Hub Material	Hardware Material	DBSE	Bore 1	Bore 2

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When it comes to providing highly engineered products that improve productivity and efficiency for industrial applications worldwide, Rexnord is the most reliable in the industry. Commitment to customer satisfaction and superior value extend across every business function.

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The highest quality products are designed to help prevent equipment downtime and increase productivity and dependable operation.

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Commitment to operational excellence ensures the right products at the right place at the right time.

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Rexnord is a growth-oriented, multi-platform industrial company with leading market shares and highly trusted brands that serve a diverse array of global end markets.

Process & Motion Control
The Rexnord Process & Motion Control platform designs, manufactures, markets and services specified, highly engineered mechanical components used within complex systems where our customers' reliability requirements and the cost of failure or downtime are extremely high.

Water Management
The Rexnord Water Management platform designs, procures, manufactures and markets products that provide and enhance water quality, safety, flow control and conservation.

CPE2-002M_A4 07/16