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

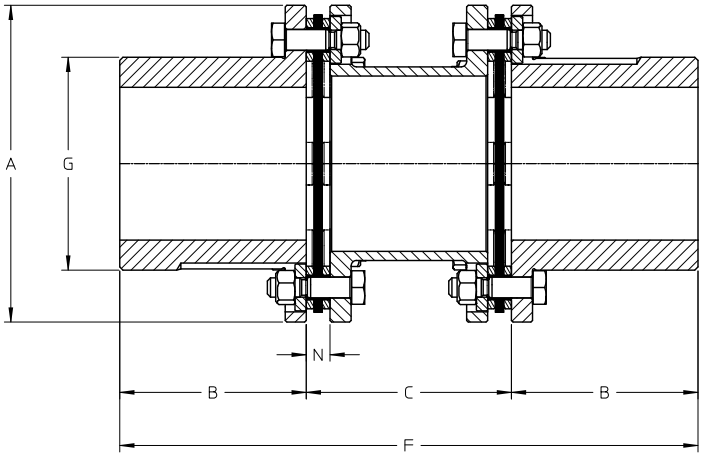
Special design options:
- Electrically insulated
- Torsionally adjusted
- Limited end float
- Torque meter
- Reduced sparking

Rexnord Thomas XTSR52 Disc Coupling

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 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	120	140	180	mm	mm	mm	mm
726	45	95	56	•	•			40	152	63,8	8,6
826	51	108	63	•	•	•		47	173	71,8	9,3
996	60	129	74	•	•	•	•	54	202	84,4	9,6
1088	65	140	81	•	•	•	•	58	220	92,1	10,4
1298	78	166	97		•	•	•	70	264	110,6	12,9
1548	94	197	116		•	•	•	81	313	132,4	14,8
1698	104	218	128					89	345	146,9	15,8
1928	118	245	147					96	390	167,7	17,1
2068	127	264	156					109	421	178,6	18,4
2278	140	291	172					115	459	196,7	19,2
2468	150	313	187					123	497	213,5	20,5
2698	165	343	203					139	545	232,1	23,5
2888	175	371	220					151	591	246,0	25,2
3058	185	395	235					152	622	263,0	25,2
3358	205	427	257					168	682	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 m of "C" Kg/m	WR²* kgm²	WR² Change Per m of "C" kgm²/m	Axial Capacity mm
	1,0	Not Balanced	Balanced							
726	3,11	12.000	20.000	297	594	2,23	3,63	0,00247	0,00218	±1,3
826	5,80	10.900	18.500	554	1.110	3,42	5,62	0,00497	0,00459	±1,5
996	9,71	9.800	15.000	927	1.850	5,55	5,10	0,0114	0,00609	±1,8
1088	23,0	9.000	14.000	2.190	4.390	7,87	9,83	0,0193	0,0130	±1,3
1298	37,2	8.000	12.000	3.550	7.100	13,5	12,3	0,0471	0,0252	±1,6
1548	61,9	7.100	10.000	5.910	11.800	22,1	17,6	0,110	0,0528	±1,8
1698	85,7	6.600	9.100	8.190	16.400	30,1	21,9	0,183	0,0773	±2,0
1928	116	6.100	8.500	11.100	22.200	43,3	26,8	0,333	0,124	±2,3
2068	161	5.800	7.800	15.400	30.700	54,5	33,9	0,489	0,177	±2,5
2278	209	5.500	7.100	19.900	39.900	72,1	39,5	0,782	0,254	±2,7
2468	274	5.200	6.500	26.200	52.400	92,1	47,5	1,16	0,365	±3,0
2698	376	4.800	6.000	35.900	71.900	121	60,6	1,85	0,544	±3,2
2888	492	4.600	5.700	47.000	94.000	156	77,7	2,76	0,759	±3,5
3058	545	4.400	5.400	52.000	104.000	183	77,1	3,62	0,899	±3,7
3358	735	4.200	4.700	70.200	140.000	237	95,8	5,59	1,34	±4,0
3668	987	3.900	4.400	94.300	189.000	311	117	8,80	1,96	±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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