



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.

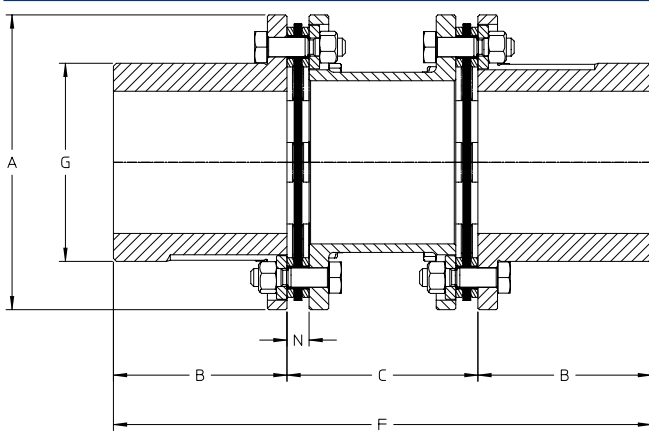
You want a trusted name when it comes to providing engineered power transmission products that improve productivity and efficiency. Rexnord® provides superior products for your industrial applications world wide. We work closely with you to reduce maintenance costs, eliminate redundant inventories and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

Coupling Size**	Max. Bore mm	A mm	B mm	Standard "C" Dimensions					Min. C mm	F mm	G mm	N mm
				100	140	180	250	300				
494	27	70	25	•	•						41	8,6
644	38	85	25	•	•						56	8,6
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	Axial Capacity mm
	SF 1,0		Not Balanced	Balanced					
494	0,89		13800	23000	85	170	0,88	0,00163	±1,2
644	1,52		12500	21500	145	290	1,35	0,00302	±1,7
726	3,11		12000	20000	297	594	1,57	0,00363	±1,3
826	5,8		10900	18500	554	1110	2,97	0,0056	±1,5
996	9,7		9800	15000	927	1850	4,56	0,0051	±1,8
1088	23,0		9000	14000	2190	4390	7,90	0,0098	±1,3
1298	37,2		8000	12000	3550	7100	13,50	0,0123	±1,6
1548	61,9		7100	10000	5910	11800	20,11	0,0176	±1,8
1698	85,7		6600	9100	8190	16400	27,76	0,0219	±2,0
1928	116,0		6100	8500	11100	22200	37,04	0,0268	±2,3
2068	161,0		5800	7800	15400	30700	48,77	0,0339	±2,5
2278	209,0		5500	7100	19900	39900	65,74	0,0395	±2,7
2468	274,0		5200	6500	26200	52400	81,57	0,0475	±3,0
2698	376,0		4800	6000	35900	71900	103,59	0,0606	±3,2
2888	492,0		4600	5700	47000	94000	139,41	0,0777	±3,5
3058	545,0		4400	5400	52000	104000	161,46	0,0771	±3,7
3358	735,0		4200	4700	70200	140000	231,56	0,0958	±4,0
3668	987,0		3900	4400	94300	189000	311,00	0,1170	±4,4

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