



**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.**

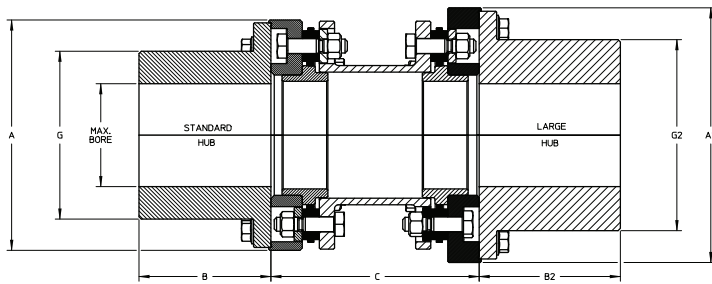
You want a trusted name when it comes to providing engineered power transmission products that improve productivity and efficiency. Rexnord® provides superior products for your industrial applications world wide. We work closely with you to reduce maintenance costs, eliminate redundant inventories and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

**Thomas 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 SH	Max. Bore LH	A SH	A LH	B SH	B LH	Min C	G SH	G LH
	mm	mm	mm	mm	mm	mm	mm	mm	mm
726	42	52	95,0	108,0	35	42	65	59	73
826	52	61	108,0	129,0	42	51	77	73	86
996	61	75	129,0	140,0	51	82	92	86	104
1088	74	90	140,0	166,0	82	95	96	104	123
1298	88	102	166,0	199,0	95	114	115	123	145
1548	102	118	199,0	220,0	114	122	135	145	165
1698	118	130	220,0	245,4	122	135	151	165	182
1928	130	142	245,4	264,0	135	155	161	182	200
2068	142	155	264,0	290,5	155	167	187	200	220
2278	155	166	290,5	313,0	167	190	196	220	236
2468	166	200	313,0	345,0	190	185	209	236	280
2698	200	220	345,0	381,0	185	200	236	280	308
2888	220	235	381,0	405,0	200	191	255	308	332
3058	235	254	405,0	437,0	191	225	257	332	355
3358	254	280	437,0	482,0	225	257	287	355	398
3668	280	295	482,0	503,0	257	249	310	398	419

SH= Small Hub      LH= Large Hub

Coupling Size**	Max. kW / 100 RPM	Max. RPM		Max. Continuous Torque	Peak Overload Torque	Weight*	Weight Change Per m of "C"	WR <sup>2</sup> *	WR <sup>2</sup> Change Per m of "C"	Axial Capacity
	1,0	Not Balanced	Balanced	Nm	Nm	kg	kg/m	kgm <sup>2</sup>	kgm <sup>2</sup> /m	mm
726	3,1	11000	20000	297	594	3,0	3,1	0,004	0,002	1,3
826	5,8	9900	18500	554	1110	4,7	5,4	0,007	0,005	1,5
996	9,7	8800	15000	927	1850	8,2	5,0	0,019	0,007	1,8
1088	23,0	8000	14000	2190	4390	12,2	9,7	0,033	0,014	1,3
1298	37,2	7100	12000	3550	7100	20,4	11,8	0,079	0,027	1,6
1548	61,9	6300	10000	5910	11800	34,6	16,1	0,189	0,053	1,8
1698	85,7	5900	9100	8190	16400	46,4	21,4	0,316	0,083	2,0
1928	116,0	5500	8500	11100	22200	62,3	25,1	0,531	0,129	2,3
2068	161,0	5200	7800	15400	30700	84,4	32,5	0,839	0,188	2,5
2278	209,0	4900	7100	19900	39900	109,0	37,8	1,30	0,268	2,7
2468	274,0	4600	6500	26200	52400	142,0	45,1	1,94	0,379	3,0
2698	376,0	4300	6000	35900	71900	183,0	57,2	3,31	0,561	3,2
2888	492,0	4000	5500	47000	94000	255,0	71,6	5,35	0,771	3,5
3058	545,0	3900	5200	52000	104000	273,0	72,3	6,79	0,918	3,7
3358	735,0	3700	4600	70200	140000	366,0	90,7	10,40	1,380	4,0
3668	987,0	3400	4300	94300	189000	514,0	111,0	17,60	2,020	4,4

\* Weight and WR<sup>2</sup> calculated at minimum DBSE and Max. Bore.  
 \*\* Sizes up to 283 000 Nm and max bore 405 mm