


**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

**Customer-focused solutions.**
**Reliable Performance.**
**Trusted Brands.**

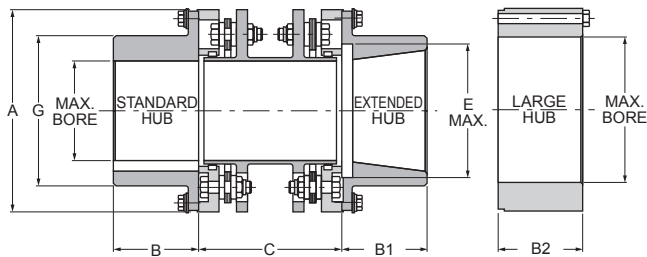
You want a trusted name when it comes to providing engineered power transmission products that improve productivity and efficiency. Rexnord® provides superior products for your industrial applications world wide. We work closely with you to reduce maintenance costs, eliminate redundant inventories and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

**Thomas SR71**

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

\* Weight (m) and inertia (WR<sup>2</sup>) calculated at minimum DBSE and maximum bore.