



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.

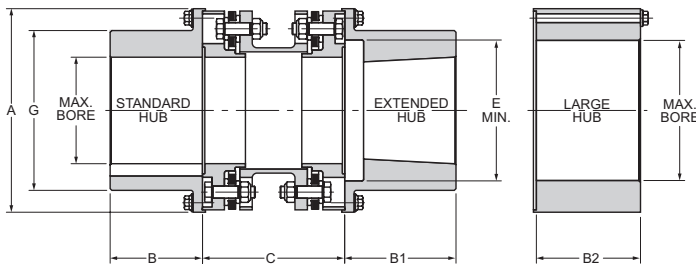
You want a trusted name when it comes to providing engineered power transmission products that improve productivity and efficiency. Rexnord® provides superior products for your industrial applications world wide. We work closely with you to reduce maintenance costs, eliminate redundant inventories and 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	199	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	Peak Overload	Weight*	Weight Change	WR ² *	WR ² Change	Axial Capacity
	Not Balanced	Balanced	Torque (Nm)	Torque (Nm)		Per mm of "C" (Kg)		Per mm of "C" (Kg ^m)	
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.