



## Thomas SR 71

### ***Precision. Power. Performance.***

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.

### ***Applications include:***

- ▶ pumps
- ▶ compressors
- ▶ industrial fans
- ▶ paper machines

### ***Thomas SR 71***

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.



Ex II 2G T5

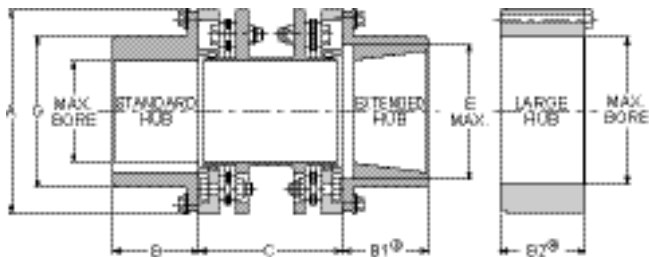
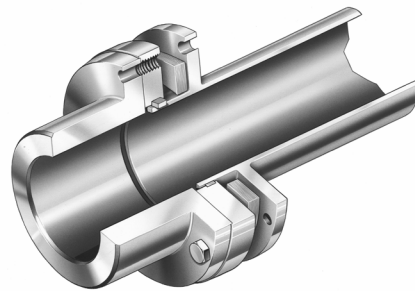
# Thomas SR 71

## Features

- ▶ Unitized and piloted center member
- ▶ Bolt on hubs
- ▶ Jacking bolt feature

## Benefits

- ▶ Ease of installation
- ▶ Repeatable balance
- ▶ Meets API Specifications
- ▶ Oversize bore capacity
- ▶ Ease of installation



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

### General Dimensions (mm)

Coupling Size	Stocked „C“ Dimensions			B & B1 Hub Max Bore (mm)	B2 Hub Max Bore (mm)	A (mm)	B (mm)	B1 (mm)	B2 (mm)	Min C (mm)	Max E (mm)	G (mm)	Axial Capacity (mm)
	140 (mm)	180 (mm)	250 (mm)										
150	•			39	64	91	33,3	42,9	41,1	87	52	59	±0,12
175	•			50	73	106	39,6	52,3	46,0	87	65	71	±0,17
225	•	•	•	58	87	125	50,8	63,5	52,3	87	78	85	±0,19
300		•	•	81	110	152	66,5	82,6	69,9	102	105	113	±2,15
350		•	•	95	120	171	79,2	95,3	76,2	124	127	133	±2,29
375		•	•	100	137	194	82,6	101,6	82,6	127	135	144	±2,41
412			•	110	145	203	91,9	111,3	91,9	155	146	155	±2,79
462			•	130	166	229	104,6	127,0	104,6	178	160	174	±3,04
512			•	140	187	255	114,3	136,7	114,3	191	179	194	±3,30
562				156	200	279	127,0	152,4	127,0	203	195	213	±3,68
600				166	220	298	133,4	162,1	133,4	229	211	227	±4,06

### Engineering data

Coupling Size	Max RPM		Max Continuous Torque (Nm)	Peak Overload Torque (Nm)	Weight (Kg.)	WR <sup>2</sup> (kgm <sup>2</sup> )	WR <sup>2</sup> Change Per mm of „C“ (Kg <sup>2</sup> /m)	Weight Change Per m of „C“ (kg.)
	Not Balanced	Balanced						
150	9 000	20 800	105	210	3,0	0,0031	1,79	0,0003
175	8 300	17 000	184	368	4,3	0,0060	2,50	0,001
225	7 700	16 000	345	691	6,4	0,0123	3,40	0,003
300	6 800	14 000	820	1 639	11,8	0,0354	4,65	0,008
350	6 200	13 500	1 513	3 026	19,5	0,0758	7,51	0,014
375	5 650	12 000	2 179	4 358	25,0	0,1238	7,69	0,019
412	5 350	11 000	2 540	5 080	32,2	0,1799	10,72	0,033
462	5 000	10 000	4 561	9 122	45,9	0,1799	14,30	0,054
512	4 700	9 200	6 209	12 418	61,3	0,3248	18,59	0,086
562	4 350	8 300	9 494	18 988	84,4	0,5355	22,88	0,120
600	4 150	7 800	10 352	20 704	103,5	1,2436	31,28	0,202

Any questions? Please contact us.

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