



## Thomas<sup>®</sup> Series 71-8

### *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
- ▶ general purpose machinery

### *Rexnord<sup>®</sup> Thomas<sup>®</sup> Disc Couplings Series 71 - 8*

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.



Ex Certified II 2G c T5

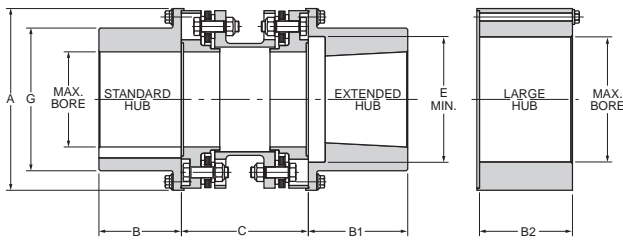
# Thomas® Series 71-8

## Features

- ▶ Unitized and piloted centermember
- ▶ 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

Coupling SIZE	Standard „C“ Dimensions			B & B1 Hub Max. Bore (mm)	B2 Hub Max. (mm)	A (mm)	B (mm)	B1 (mm)	B2 (mm)	Min, C (mm)	Max, E (mm)	G (mm)
	140 (mm)	180 (mm)	250 (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 Not Balanced	Max. RPM Balanced	Max. Continuous Torque (Nm)	Peak Overload Torque (Nm)	Weight (Kg)	Weight Change Per m of „C“ (Kg)	WR <sup>2</sup> (kgm <sup>2</sup> )	WR <sup>2</sup> Change Per mm of „C“ (kgm <sup>2</sup> /mm)	Axial Capacity (mm)
225	7 500	14,000	1 976	3 951	12,6	6,79	0,037	0,012	±0,91
262	6 800	12,500	3 706	7 413	19,5	8,22	0,078	0,022	±1,09
312	6 200	11,500	5 803	11,605	30,4	9,83	0,170	0,038	±1,29
350	5 700	10,500	7 552	15,105	43,1	13,41	0,302	0,065	±1,42
375	5 200	9 800	11,323	22,646	60,8	18,77	0,522	0,106	±1,57
425	5 000	9 300	15,161	30,323	76,7	21,81	0,765	0,145	±1,70
450	4 700	8 700	16,979	33,958	99,9	28,42	1,176	0,207	±1,82
500	4 200	7 900	27,817	55,633	154,8	37,89	2,353	0,362	±2,02
550	3 900	7 300	37,300	74,599	215,7	47,37	4,076	0,574	±2,33
600	3 600	6 800	48,973	97,945	296,5	54,52	7,060	0,796	±2,59
700	3 300	6 200	76,180	152,359	436,3	73,82	13,138	1,359	±2,92
750	3 100	5 800	94,694	189,388	563,9	92,41	20,254	2,016	±3,17



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