



Thomas[®] 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[®] Thomas[®] 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.



ATEX Certified II 2G c T5

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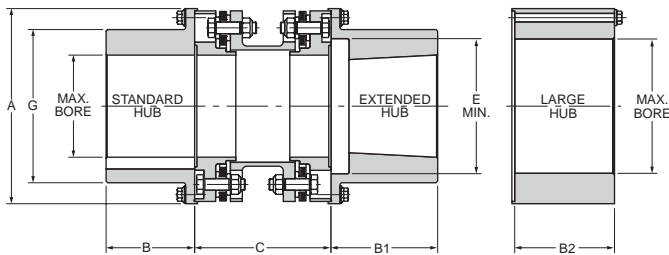
Features

Unitized and piloted centermember

Bolt on hubs
Jacking bolt feature
Stainless Steel discs & 8 bolt design standard

Benefits

- ▶ Ease of installation; repeatable balance Meets API specifications
- ▶ Oversize bore capacity
- ▶ Ease of installation
- ▶ Meets API specifications high misalignment and axial capacity



Torque Demands Driven Machine	Typical applications for electric motor or turbine drive equipment	Typical Service Factor
	Constant Torque such as Centrifugal Pumps, Blowers, and Compressors.	1.0
	Continuous duty with some torque variations including Plastic Extruders, Forced Draft Fans.	1.5
	Light shock loads from Metal Extruders, Cooling Towers, Cane Knife, Log Haul.	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 Roughing Mills, Reciprocating Pumps, Compressors, Reversing Runout Tables.	3.0
	Applications like Reciprocating Compressors with frequent torque reversals, which do not necessarily cause reverse rotations.	Consult Rexnord Engineering

Coupling SIZE	Stocked „C“ Dimensions			B & B1 Hub		A (mm)	B (mm)	B1 (mm)	B2 (mm)	Min. C (mm)	Max. E (mm)	G (mm)
	140	180	250	Max. Bore	Max.							
225	•	•	•	80	106	151.64	63.50	79.25	77.72	120.65	106.43	115.82
262	•	•	•	95	128	174.75	77.72	93.73	90.42	139.70	119.13	131.83
312		•	•	112	145	203.20	90.42	109.47	104.65	152.40	146.05	160.27
350		•	•	130	166	227.08	98.55	120.65	114.30	171.45	165.10	179.32
375			•	144	185	252.48	112.78	134.87	131.06	184.15	181.10	201.68
425			•	158	203	273.05	123.95	149.35	139.70	190.50	188.98	214.38
450			•	170	214	293.62	128.52	157.23	152.40	222.25	212.85	235.71
500				196	248	333.25	150.88	179.32	171.45	260.35	231.90	266.70
550				215		373.13	166.62	198.37	0.00	292.10	254.00	292.10
600				242		416.05	182.63	214.38	0.00	317.50	298.45	335.79

Coupling Size	Max. RPM Not Balanced	Max. RPM Balanced	Max. Continuous Torque (Nm)	Peak Overload Torque (Nm)	Weight (Kg)	Weight Change Per mm of „C“ (Kg)	WR ² (kgm ²)	WR ² Change Per mm of „C“ (kgm ² /mm)	Axial Capacity (mm)
225	7 500	14 000	1 976	3 951	12.62	0.0068	0.0375	1.233E-05	±0.9144
262	6 800	12 500	3 706	7 413	19.52	0.0082	0.0775	2.246E-05	±1.0922
312	6 200	11 500	5 803	11 605	30.42	0.0098	0.1697	3.848E-05	±0.1.2954
350	5 700	10 500	7 552	15 105	43.13	0.0134	0.3017	6.486E-05	±1.4224
375	5 200	9 800	11 323	22 646	60.84	0.0188	0.5220	1.063E-04	±1.5748
425	5 000	9 300	15 161	30 323	76.73	0.0218	0.7654	1.451E-04	±1.7018
450	4 700	8 700	16 979	33 958	99.88	0.0284	1.1763	2.074E-04	±1.8288
500	4 200	7 900	27 817	55 633	154.81	0.0379	2.3525	3.617E-04	±2.028
550	3 900	7 300	37 300	74 599	215.65	0.0474	4.0759	5.737E-04	±2.3368
600	3 600	6 800	48 973	97 945	296.46	0.0545	7.0604	7.960E-04	±2.5908



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