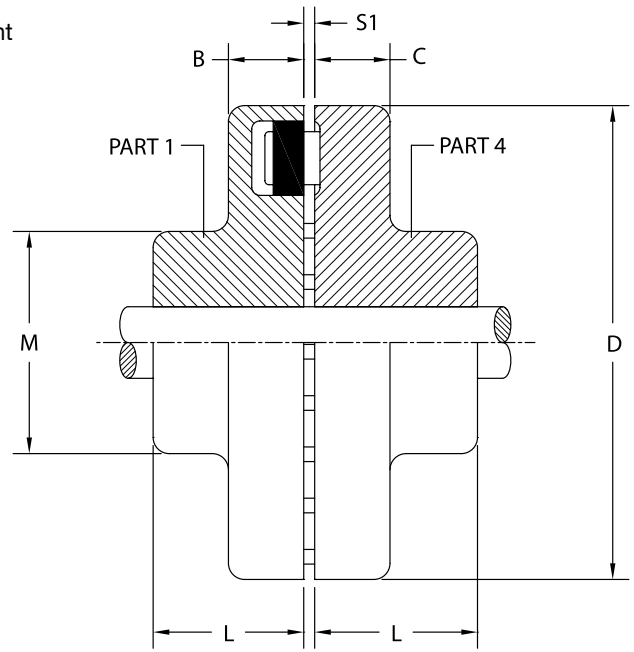
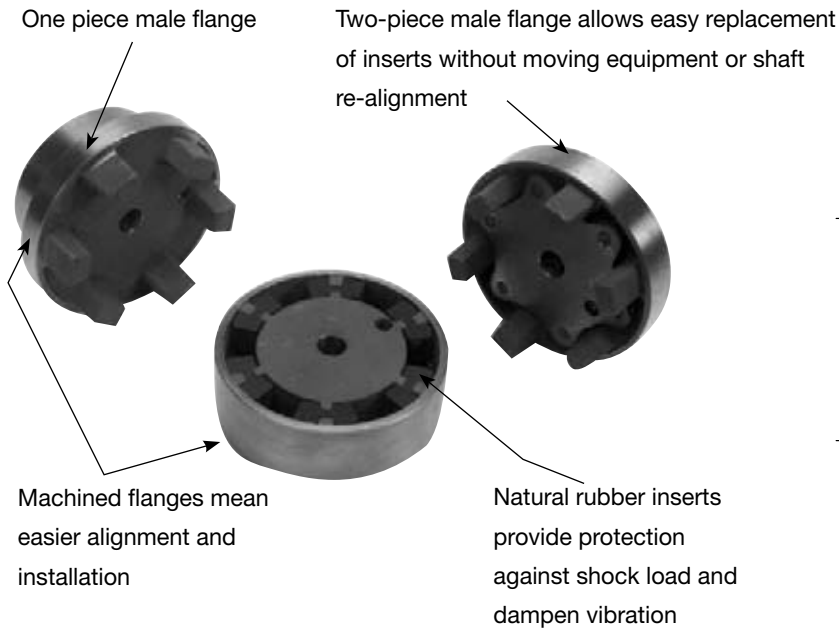


PT COMPONENTS

A POWER-DENSE, HIGH TORQUE ELASTOMERIC COUPLING – DODGE POWERPLUS is a cost-saving alternative to metallic couplings. POWERPLUS has a simple, non-lubricated design which makes it versatile and easy to maintain.

- **Power Density at High Speeds**
 - Up to 1945 HP at 1800 RPM
 - Up to 1210 kW at 1500 RPM
- **Positive Drive**
 - Will maintain tooth engagement even if rubber insert degradation occurs
- **Shock Load and Vibration Dampening**
 - Rubber inserts help absorb shock and protect both driver and driven equipment
- **Easy Installation**
 - Simple male/female flange design fits together for intuitive installation
- **Low Maintenance**
 - No lubrication required means less maintenance
- **Minimal Length thru Bore**
 - Requires less shaft space than other coupling designs
- **Lightweight Design**
 - Lower weight complete coupling compared to other coupling products

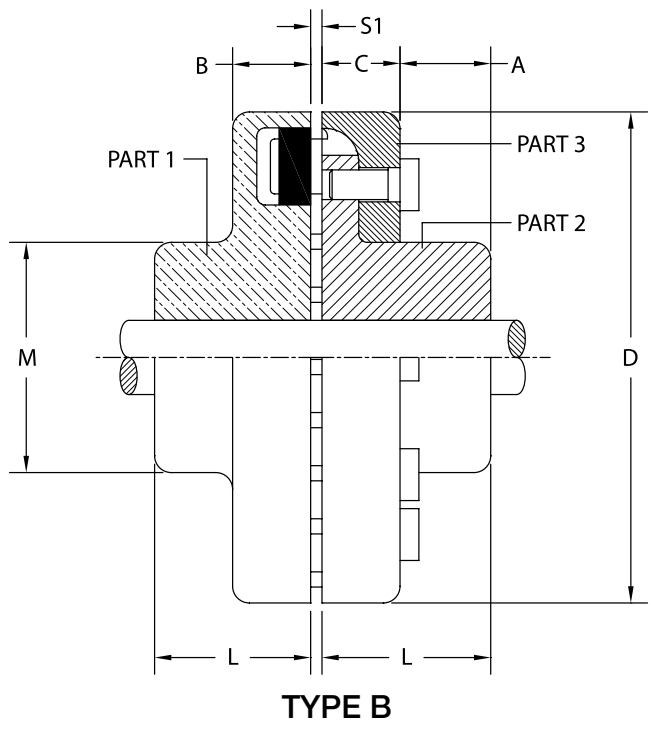


TYPE A

POWERPLUS Coupling Chart

Coupling Size mm	Type	Torque		Max RPM	Max Bore				M				C	
					mm		in		mm		in			
		Nm	in-lb		Part 1	Part 2 & 4	Part 1	Part 2 & 4	Part 1	Part 2 & 4	Part 1	Part 2 & 4	mm	in
58	A	18.98	168	5000	19.05	23.88	0.75	0.94	—	39.88	—	1.57	7.87	0.31
68	A	34.01	301	5000	23.88	27.94	0.94	1.10	—	45.97	—	1.81	7.87	0.31
80	A	60.00	531	5000	29.97	38.10	1.18	1.50	—	68.07	—	2.68	9.91	0.39
95	A	100.01	885	5000	41.91	41.91	1.65	1.65	75.95	75.95	2.99	2.99	11.94	0.47
110	A	160.01	1,416	5000	48.01	48.01	1.89	1.89	86.11	86.11	3.39	3.39	13.97	0.55
125	A	240.01	2,124	5000	55.12	55.12	2.17	2.17	100.08	100.08	3.94	3.94	18.03	0.71
140	A	360.02	3,186	4900	59.94	59.94	2.36	2.36	100.08	100.08	3.94	3.94	20.07	0.79
160	A	560.14	4,957	4250	65.02	65.02	2.56	2.56	107.95	107.95	4.25	4.25	20.07	0.79
180	A	880.16	7,789	3800	74.93	74.93	2.95	2.95	124.97	124.97	4.92	4.92	20.07	0.79
200	A	1340.18	11,860	3400	85.09	85.09	3.35	3.35	139.95	139.95	5.51	5.51	23.88	0.94
225	A	2000.33	17,702	3000	89.92	89.92	3.54	3.54	150.11	150.11	5.91	5.91	18.03	0.71
250	A	2800.48	24,783	2750	100.08	100.08	3.94	3.94	165.10	165.10	6.50	6.50	18.03	0.71
280	A	3900.65	34,519	2450	109.98	109.98	4.33	4.33	180.09	180.09	7.09	7.09	20.07	0.79
110	B	160.01	1,416	5000	48.01	38.10	1.89	1.50	86.11	61.98	3.39	2.44	20.07	0.79
125	B	240.01	2,124	5000	55.12	44.96	2.17	1.77	89.92	74.93	3.54	2.95	23.11	0.91
140	B	360.02	3,186	4900	59.94	50.04	2.36	1.97	100.08	82.04	3.94	3.23	27.94	1.10
160	B	560.14	4,957	4250	65.02	57.91	2.56	2.28	107.95	95.00	4.25	3.74	27.94	1.10
180	B	880.16	7,789	3800	74.93	65.02	2.95	2.56	124.97	107.95	4.92	4.25	29.97	1.18
200	B	1340.18	11,860	3400	85.09	74.93	3.35	2.95	139.95	121.92	5.51	4.80	32.00	1.26
225	B	2000.33	17,702	3000	89.92	85.09	3.54	3.35	150.11	137.92	5.91	5.43	38.10	1.50
250	B	2800.48	24,783	2750	100.08	95.00	3.94	3.74	165.10	154.94	6.50	6.10	41.91	1.65
280	B	3900.65	34,519	2450	109.98	104.90	4.33	4.13	180.09	171.96	7.09	6.77	41.91	1.65
315	B	5500.95	48,681	2150	100.08	100.08	3.94	3.94	165.10	165.10	6.50	6.50	46.99	1.85
350	B	7701.29	68,153	1950	109.98	109.98	4.33	4.33	180.09	180.09	7.09	7.09	51.05	2.01
400	B	10301.65	91,165	1700	119.89	119.89	4.72	4.72	199.90	199.90	7.87	7.87	55.88	2.20
440	B	13502.26	119,489	1550	130.05	130.05	5.12	5.12	214.88	214.88	8.46	8.46	64.01	2.52
480	B	16602.75	146,927	1400	145.03	145.03	5.71	5.71	240.03	240.03	9.45	9.45	65.02	2.56

The DODGE POWERPLUS coupling enables the driven equipment to run efficiently at critical speeds. The dampening effect of the rubber inserts isolates vibration and cushions shock loads.



TYPE B

POWERPLUS Coupling Chart

Coupling Size	Type	L		B		S1				S		# of Inserts	Total Weight	
						mm		in					kg	lb
		mm	in	mm	in	Min	Max	Min	Max	mm	in			
58	A	20.07	0.79	20.07	0.79	2.032	4.06	0.08	0.16	-	-	4	0.45	0.99
68	A	20.07	0.79	20.07	0.79	2.032	4.06	0.08	0.16	-	-	5	0.65	1.43
80	A	29.97	1.18	29.97	1.18	2.032	4.06	0.08	0.16	-	-	6	1.30	2.87
95	A	35.05	1.38	29.97	1.18	2.032	4.06	0.08	0.16	-	-	6	2.00	4.41
110	A	39.88	1.57	34.04	1.34	2.032	4.06	0.08	0.16	-	-	6	3.10	6.83
125	A	50.04	1.97	36.07	1.42	2.032	4.06	0.08	0.16	-	-	6	5.00	11.02
140	A	55.12	2.17	34.04	1.34	2.032	4.06	0.08	0.16	-	-	6	7.00	15.43
160	A	59.94	2.36	38.10	1.5	2.032	6.10	0.08	0.24	-	-	7	9.50	20.94
180	A	70.10	2.76	41.91	1.65	2.032	6.10	0.08	0.24	-	-	8	14.00	30.86
200	A	80.01	3.15	46.99	1.85	2.032	6.10	0.08	0.24	-	-	8	20.00	44.09
225	A	89.92	3.54	52.07	2.05	2.032	6.10	0.08	0.24	-	-	8	25.00	55.12
250	A	100.08	3.94	59.94	2.36	3.048	8.13	0.12	0.32	-	-	8	35.00	77.16
280	A	109.98	4.33	65.02	2.56	3.048	8.13	0.12	0.32	-	-	8	46.50	102.51
110	B	39.88	1.57	26.92	1.06	2.032	4.06	0.08	0.16	33.02	1.30	6	3.00	6.61
125	B	50.04	1.97	30.99	1.22	2.032	4.06	0.08	0.16	38.10	1.50	6	5.00	11.02
140	B	55.12	2.17	34.04	1.34	2.032	4.06	0.08	0.16	42.93	1.69	6	6.50	14.33
160	B	59.94	2.36	39.12	1.54	2.032	6.10	0.08	0.24	46.99	1.85	7	9.80	21.61
180	B	70.10	2.76	41.91	1.65	2.032	6.10	0.08	0.24	50.04	1.97	8	13.50	29.76
200	B	80.01	3.15	46.99	1.85	2.032	6.10	0.08	0.24	53.09	2.09	8	20.00	44.09
225	B	89.92	3.54	52.07	2.05	2.032	6.10	0.08	0.24	60.96	2.40	8	26.50	58.42
250	B	100.08	3.94	59.94	2.36	3.048	8.13	0.12	0.32	69.09	2.72	8	37.50	82.67
280	B	109.98	4.33	65.02	2.56	3.048	8.13	0.12	0.32	72.90	2.87	8	49.00	108.03
315	B	124.97	4.92	70.10	2.76	3.048	8.13	0.12	0.32	77.98	3.07	9	63.00	138.89
350	B	139.95	5.51	73.91	2.91	3.048	8.13	0.12	0.32	83.06	3.27	9	86.00	189.6
400	B	160.02	6.3	77.98	3.07	3.048	8.13	0.12	0.32	87.88	3.46	10	122.00	268.96
440	B	180.09	7.09	86.11	3.39	5.08	9.91	0.20	0.39	99.06	3.90	10	159.00	350.53
480	B	189.99	7.48	89.92	3.54	5.08	9.91	0.20	0.39	103.89	4.09	10	200.00	440.92

Coupling	PARA-FLEX Finished Bore	PARA-FLEX TAPER-LOCK	D FLEX Couplings	PowerPlus Couplings	GRID-LIGN Couplings	Gear Couplings	 Best ← → Worst
Selection Criteria							
Misalignment							Better alignment provides longer life and lowers the reaction forces imposed on bearings. In all situations, misalignment should be minimized as much as possible.
Temperature Range							Rubber seals and elastomeric elements are generally the most heat limited coupling component. Also, most nonsynthetic Lubricants should not be used much above 220° F.
Torque-Bore Capability							This relationship describes torque and bore capabilities relative to the physical size of the coupling. This consideration may be important if the coupling must operate in a limited space.
Speed Capability							As the diameter of a coupling increases, its speed capability decreases due to centrifugal forces exerted on materials. Further, couplings with all-machined parts can operate at higher speeds.
Torsionally Soft							Generally allows application wind-up to cushion shock loads and vibration. "Soft" coupling helps protect motor and reducer from stock loads in the driven equipment.
Installation Cost							Account of initial installation cost including equipment requirements, difficulty, alignment time, and manpower.
Ease of Maintenance							Based on frequency and difficulty of routine parts or coupling replacement, lubrication, or other scheduled maintenance.
Repair Cost							Based on cost and difficulty of replacement of a failing or failed coupling.

BALDOR

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