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Baldor•Dodge Product: DM Moment Coupling

C.O. Engineering - Bearings and PT Components
August 3rd, 2016

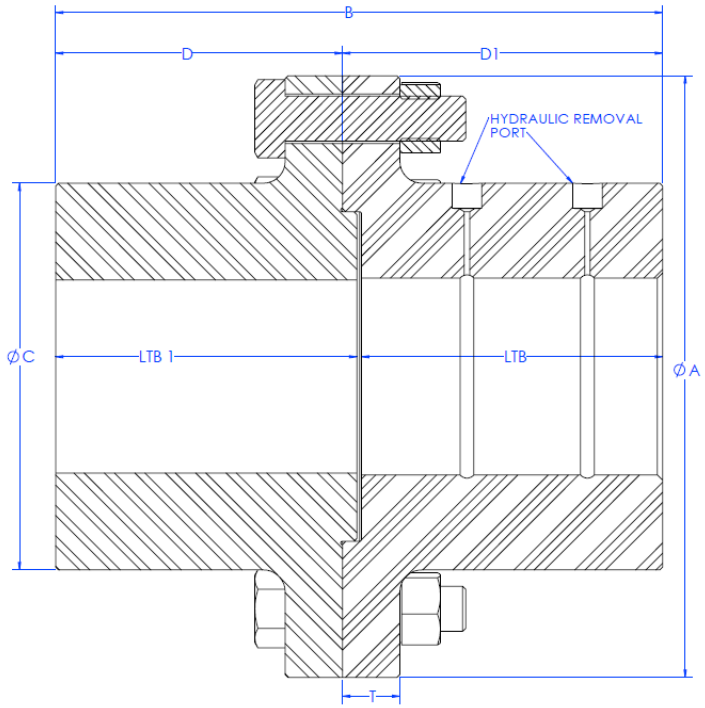

Figure 1 - DM Moment Coupling Section View

Size	A	B	C	D	D1	DRIVEN LTB 1	DRIVER LTB	BSE
	(in)	(in)	(in)	(in)	(in)	(in)	(in)	(in)
DM50	10.50	10.58	6.75	5.00	5.58	5.25	5.25	0.08
DM75	11.00	12.65	7.13	5.69	6.96	5.94	5.94	0.08
DM100	11.25	11.58	7.91	5.50	6.08	5.75	5.75	0.08
DM150	12.70	12.08	9.25	5.75	6.33	6.00	6.00	0.08
DM210	14.50	12.08	10.38	5.75	6.33	6.00	6.00	0.08
DM285	15.75	14.08	11.50	6.75	7.33	7.00	7.00	0.08
DM390	17.75	14.26	12.81	6.84	7.42	7.09	7.09	0.08
DM525	18.75	17.08	14.00	8.25	8.83	8.50	8.50	0.08
DM700	21.25	19.58	15.75	9.50	10.08	9.75	9.75	0.08
DM920	23.75	20.58	18.50	10.00	10.58	10.25	10.25	0.08
DM1400	29.50	23.08	21.50	11.50	11.50	11.42	11.75	0.08
DM2100	33.00	25.08	25.00	12.50	12.50	12.42	12.75	0.08

Table 1 - DM Moment Coupling Dimensions (Imperial)

Size	MAX DRIVEN BORE	MAX DRIVER BORE	COUPLING TORQUE	BOLT SIZE	NUMBER OF BOLTS	BOLT CIRCLE DIAMETER	BOLT TORQUE	WEIGHT	MAX SPEED
	(in)	(in)	(in-lbs)			(in)	(ft-lbs)	(lbs)	(RPM)
DM50	4.50	4.50	53,955	M20-2.25 x 90MM ISO 10.9	7	9.00	450	111	6500
DM75	4.75	4.75	81,361	M20-2.25 x 90MM ISO 10.9	10	9.50	450	130	6300
DM100	4.88	4.88	100,203	M20-2.25 x 90MM ISO 10.9	12	9.75	450	155	6100
DM150	5.50	5.50	153,473	M20-2.25 x 90MM ISO 10.9	16	11.20	450	219	5400
DM210	6.00	6.00	220,138	M24-3.0 x 120MM ISO 10.9	14	12.75	778	296	4800
DM285	7.00	7.00	292,028	M24-3.0 x 120MM ISO 10.9	17	13.93	778	414	4400
DM390	7.00	7.00	425,594	M30-3.5 x 140MM ISO 10.9	14	15.50	1545	528	3900
DM525	8.75	8.75	554,301	M30-3.5 x 140MM ISO 10.9	17	16.63	1545	694	3700
DM700	10.00	10.00	735,473	M30-3.5 x 140MM ISO 10.9	20	18.75	1545	1012	3200
DM920	11.00	11.00	920,000	M30-3.5 x 140MM ISO 10.9	22	21.25	1545	1447	2900
DM1400	13.50	13.50	1,528,694	M36-4.0 x 160MM ISO 10.9	20	26.75	2701	2229	2300
DM2100	15.00	15.00	2,228,750	M36-4.0 x 160MM ISO 10.9	26	30.00	2701	3222	2100

Table 2 - DM Moment Coupling Performance (Imperial)

In order to ensure safety and proper selection, all details for each DM Moment Coupling application must be reviewed by Baldor•Dodge Engineering. For additional information or questions related to the Baldor•Dodge DM Moment Coupling, contact Baldor•Dodge Bearings and PT Component Customer Order (C.O.) Engineering. Contact information for Baldor•Dodge C.O. Engineering can be found on the Baldor•Dodge Engineering Support webpage at http://www.baldor.com/brands/baldor-dodge/product-support/engineering-support.