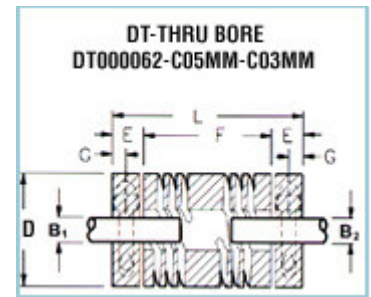
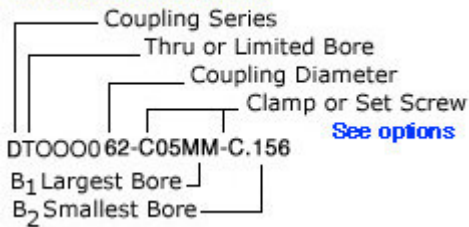


Riteland Automation Rocom Coupling Stock Program

SIX THICK SHORT DOUBLE TAPERED CURVED BEAMS HAVE MORE SPACE BETWEEN EACH BEAM FOR GREATER MISALIGNMENT

Part Number	Diameter (D) in. mm	Length in. mm	Standard Bore Sizes		Bore Depth in. mm	Maximum Misalignment			Static Torque lb.in/Nm	Tortional Stiffness Min. lb-in/Nm	Clamp Torque lb-in Nm
			in	mm		Angular Degree	Parallel Offset in mm	Axial Motion in. mm			
DT000075	.745 19	1.00 25.4	.250 .312	6 8	.250 6.35	5	0.015 0.38	+/- .010 +/- .25	35/3.95 28/3.16	14.16/1.60 23.13/2.61	18 2.1
DT0000100	.995 25.4	1.50 38	.250 .312 .375	6 10 12	.420 10.66	7	0.030 0.76	+/- .020 +/- .50	76/8.59 73/8.25 67/7.57	4.43/0.56 5.35/0.60 6.47/0.73	34 2.1
DT000125	1.24 31.5	2.00 50.8	.312 .375 .500	6 10 12 14	.420 10.66	10	0.040 1.02	+/- .025 +/- .50	108/12.20 91/10.90 91/10.28 77/8.02	2.63/0.30 3.16/0.36 3.89/0.44 5.27/0.60	59 4.6
DT000150	1.485 57.70	2.37 60.00	.375 .500 .625	10 12 14 16	.515 13.08	10	0.050 1.27	+/- .020 +/- .50	186/21 175/19.77 168/19 156/17.62	1.82/0.21 2.07/0.23 2.44/0.28 3.31/0.37	77 9.5
DT000200	1.970 50.00	3.25 82.50	.625 .687 .750 .875	16 18 20 22	.515 13.08	10	0.060 1.50	+/- .030 +/- .75	367/41.47 355/40.11 337/38.08 308/34.8	0.95/0.11 1.25/0.14 1.45/0.16 1.90/0.21	200 16

1. Nomenclature



- All THRU BORE couplings have an inside relief so the shafts will not touch the beams at the maximum misalignment. All bores shown are thru bores.
- Any B1 may be combined with any B2. The smallest B2 bores cannot be duplicated in the B1 column where they are not already shown.
- Static torque is the maximum torque rating for each B1 bore. The correct dynamic torque safety factor should be determined by the customer in accordance with fast reversals acceleration, deceleration,, sudden stops, etc.
- Torque and torsional stiffness ratings are at maximum misalignment, not in a straight line.
- Mass and inertia are calculated with the customers required B1 bore and the smallest B2 bore shown.
- Coupling material is 2024-T3.51 QQA225/6 aluminum with MIL A8625F Type II black anodize.
- G10 phenolic inserts for thermal and electrical isolation.
- Clamps are an integral part of the coupling.
- Followed the [installation procedures](#) to insure infinite life.



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