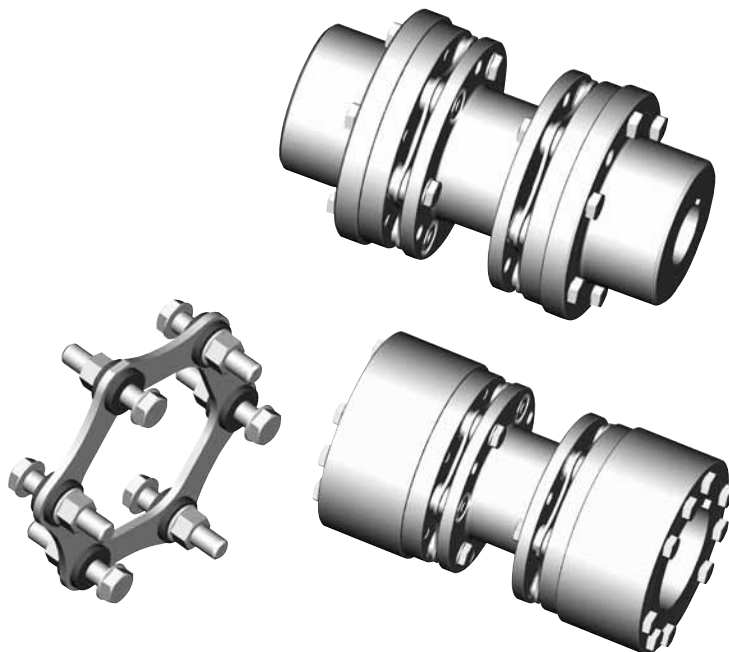


DI-6 Type Drop-In Center Industrial Coupling

The DI Type coupling is the standard 6 bolt coupling with two hubs and a spacer assembly that can be installed or removed without disturbing the equipment and hubs and without removing the disc packs from the spacer assembly. Custom spacer lengths can be specified for special applications. The coupling has two flex planes (one at each disc pack) so it can accommodate parallel misalignment by the angular misalignment in each disc pack. This configuration will also accommodate axial misalignment within the specified limits.

Features

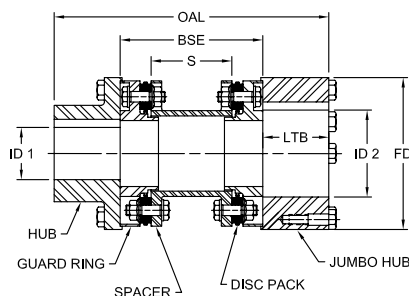
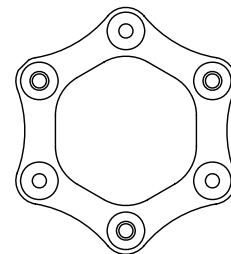
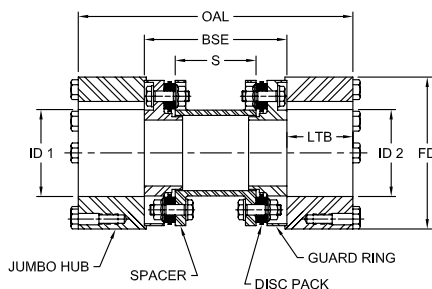
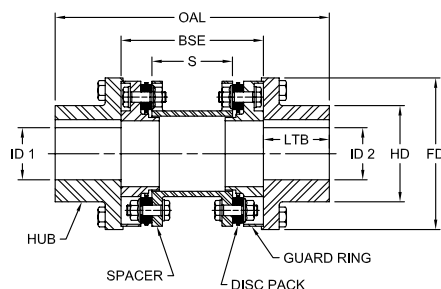
- Designed to meet the API 610 Standard
- Support for additional API requirements available on request
- Unitized disc pack
- Infinite life if properly aligned
- Torsionally rigid without any back lash
- No need for lubrication or maintenance
- No wearing parts and high resistance to harsh environmental conditions



DI-6 Performance Data

Size	Nominal Torque		Peak Torque		Max Speed Unbal ¹ Bal ²		ID1 - ID2				Weight ⁴		Axial ⁵ Misalignment ± Δ Ka		Angular ⁶ Misalignment Max Degrees
							Max Bore ³								
	in-lbs	Nm	in-lbs	Nm	RPM	RPM	Std Hub		Jumbo Hub		lbs	kg	in	mm	
90-6	2,100	240	4,200	480	9,100	22,700	1.68	43	2.25	59	8	4	0.059	1.5	1.5°
110-6	5,100	575	10,200	1 150	7,200	18,000	2.06	52	2.94	75	12	6	0.083	2.1	
132-6	9,700	1 100	19,500	2 200	5,840	14,600	2.69	67	3.56	90	22	10	0.102	2.6	
158-6	17,700	2 000	35,400	4 000	4,920	12,300	3.13	80	4.13	105	40	18	0.122	3.1	
185-6	29,200	3 300	58,400	6 600	4,200	10,500	3.75	95	4.94	125	62	28	0.146	3.7	
202-6	40,700	4 600	81,400	9 200	3,840	9,600	4.06	102	5.38	135	84	38	0.150	3.8	1°
228-6	62,000	7 000	123,900	14 000	3,400	8,500	4.50	115	5.94	150	121	55	0.165	4.2	
255-6	90,300	10 200	180,600	20 400	3,080	7,700	4.94	125	6.63	170	159	72	0.185	4.7	
278-6	125,700	14 200	251,400	28 400	2,800	7,000	5.50	140	7.31	185	223	101	0.205	5.2	
302-6	177,000	20 000	354,000	40 000	2,560	6,400	6.13	155	7.88	200	293	133	0.224	5.7	
325-6	221,300	25 000	442,600	50 000	2,400	6,000	6.75	170	8.44	215	353	160	0.256	6.5	
345-6	274,400	31 000	549,000	62 000	2,200	5,500	7.13	180	9.13	230	425	193	0.272	6.9	
380-6	374,400	42 300	749,000	84 600	2,040	5,100	8.31	210	9.88	250	578	262	0.299	7.6	
410-6	505,400	57 100	1,011,000	114 200	1,880	4,700	8.88	225	10.63	270	739	335	0.323	8.2	
440-6	650,500	73 500	1,301,000	147 000	1,740	4,350	9.25	235	11.44	290	875	397	0.346	8.8	

- Notes:
- 1 indicates: Operating speed must be equal or less than permissible speed which is limited by the weight and critical speed of the spacer.
 - 2 indicates: Couplings as manufactured can accommodate maximum speeds as listed. Higher speeds up to the value shown as 'Bal' require special balancing.
 - 3 indicates: The maximum bores shown are for cylindrical or taper shafts with keys. For splines and other types of bores, contact Lovejoy Technical Support.
 - 4 indicates: Weight is given for a complete coupling with maximum bores.
 - 5 indicates: Axial misalignment is given for two disc packs.
 - 6 indicates: Angular misalignment is given for one disc pack.



Standard Spacer Sizes

Size	3.1 in	3 in	4.38 in	5 in	5.5 in	7 in	7.5 in	8 in	9 in
90-6	●	●	●	●	●	●			
110-6		●	●	●	●	●			
132-6		●	●	●	●	●			
158-6			●	●	●	●			
185-6				●	●	●	●	●	●
202-6					●	●	●	●	●
228-6						●	●	●	●
255-6							●	●	●
278-6							●	●	●
302-6									●

DI-6 Dimensional Data

Size	OAL		BSE		S		LTB		BSE Standard See Note		FD		HD		ID1 - ID2			
															Max Bore ³			
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	Std Hub	Jumbo Hub		
90-6	6.25	159	3.11	79	1.27	32	1.57	40	3.11	79	3.70	94	2.36	60	1.68	43	2.25	59
110-6	8.19	208	4.25	108	2.41	61	1.97	50	4.25	108	4.53	115	2.87	73	2.06	52	2.94	75
132-6	9.10	231	4.38	111	2.54	64	2.36	60	4.38	111	5.47	139	3.74	95	2.69	67	3.56	90
158-6	11.02	280	5.50	140	3.12	79	2.76	70	5.50	140	6.50	165	4.41	112	3.13	80	4.13	105
185-6	12.61	320	6.31	160	3.48	88	3.15	80	6.31	160	7.60	193	5.28	134	3.75	95	4.94	125
202-6	14.39	366	7.31	186	4.12	105	3.54	90	7.31	186	8.27	210	5.67	144	4.06	102	5.38	135
228-6	15.94	405	8.06	205	4.48	114	3.94	100	8.06	205	9.29	236	6.30	160	4.50	115	5.94	150
255-6	18.94	481	9.88	251	5.51	140	4.53	115	9.88	251	10.35	263	6.89	175	4.94	125	6.63	170
278-6	19.90	505	10.06	256	5.63	143	4.92	125	10.06	256	11.26	286	7.68	195	5.50	140	7.31	185
302-6	21.68	551	11.06	281	6.15	156	5.32	135	11.06	281	12.20	310	8.40	213	6.13	155	7.88	200
325-6	22.67	576	11.25	286	6.21	158	5.71	145	11.25	286	13.11	333	9.45	240	6.75	170	8.44	215
345-6	24.83	631	12.63	321	7.18	182	6.10	155	12.63	321	13.98	355	10.04	255	7.13	180	9.13	230
380-6	27.01	686	13.63	346	7.49	190	6.70	170	13.63	346	15.35	390	11.61	295	8.31	210	9.88	250
410-6	29.31	744	14.75	375	8.12	206	7.28	185	14.75	375	16.54	420	12.40	315	8.88	225	10.63	270
440-6	31.74	806	16.38	416	9.10	231	7.68	195	16.38	416	17.72	450	12.99	330	9.25	235	11.44	290

- Notes: ■ 3 indicates: The maximum bores shown are for cylindrical or taper shafts with keys. For splines and other type bores, contact Lovejoy Technical Support.
 ■ Metric dimensions are rounded to the nearest 'mm' except where otherwise shown.
 ■ Custom spacer sizes are available in both longer and shorter lengths. For a list of standard spacer sizes, see page D-27.