Phasing Differential

FD Series Component

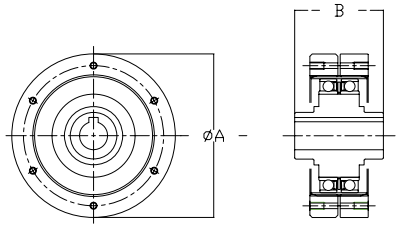
The FD series is an extremely compact differential unit that allows you to fine-tune the phase and timing during operation.

- Pancake
- Ultra compact differential unit
- Backlash is very small and unit requires no assembly adjustment

•FD Series Ratings

Size	Gear Ratio	Rotational Speed rpm									
		3500 rpm		2850 rpm		1450 rpm		960 rpm		500 rpm	
		Nm	In-lb	Nm	In-lb	Nm	In-lb	Nm	In-lb	Nm	In-lb
20	80	29	257	30	266	30	266	30	266	30	266
	100	30	266	31	274	36	319	36	319	36	319
	128	31	274	34	301	43	381	43	381	43	381
	160	32	283	35	310	45	398	49	434	49	434
25	80	46	407	50	443	57	504	57	504	57	504
	100	49	434	53	469	67	593	79	699	79	699
	120	52	460	55	487	70	620	82	726	96	850
	160	54	478	57	504	73	646	83	735	108	956
	200	55	487	59	522	74	655	84	743	108	956
32	78	98	867	108	956	108	656	108	956	108	956
	100	108	956	118	1044	147	1301	157	1389	157	1389
	131	108	956	118	1044	157	1389	176	1558	206	1823
	157	108	956	118	1044	157	1389	176	1558	216	1912
	200	108	956	118	1044	157	1389	176	1558	216	1912
	260	108	956	118	1044	157	1389	176	1558	216	1912
40	80	196	1735	196	1735	196	1735	196	1735	196	1735
	100	235	2080	245	2168	265	2345	265	2345	265	2345
	128	235	2080	245	2168	314	2779	363	3213	372	3292
	160	235	2080	245	2168	314	2779	363	3213	451	3991
	200	235	2080	245	2168	314	2779	363	3213	451	3991
	258	235	2080	245	2168	314	2779	363	3213	451	3991
50	80	353	3124	353	3124	353	3124	353	3124	353	3124
	100	441	3903	470	4160	559	4947	559	4947	559	4947
	120	441	3903	470	4160	588	5204	666	5894	666	5894
	160	441	3903	470	4160	588	5204	676	5983	843	7461
	200	441	3903	470	4160	588	5204	676	5983	843	7461
	242	441	3903	470	4160	588	5204	676	5983	843	7461
65	78	-	-	-	-	764	6761	764	6761	764	6761
	104	-	-	-	-	1100	9735	1190	10532	1190	10532
	132	-	-	-	-	1100	9735	1250	11063	1570	13895
	158	-	-	-	-	1100	9735	1250	11063	1570	13895
	208	-	-	-	-	1100	9735	1250	11063	1570	13895
	260	-	-	-	-	1100	9735	1250	11063	1570	13895
80	80	-	-	-	-	1370	12125	1370	12125	1370	12125
	96	-	-	-	-	1800	15930	1800	15930	1800	15930
	128	-	-	-	-	2180	19293	2490	22037	2710	23984
	160	-	-	-	-	2180	19293	2490	22037	3130	27701
	194	-	-	-	-	2180	19293	2490	22037	3130	27701
	258	-	-	-	-	2180	19293	2490	22037	3130	27701
	320	-	-	-	-	2180	19293	2490	22037	3130	27701
100	80	-	-	-	-	2470	21860	2470	21860	2470	21860
	100	-	-	-	-	3720	32922	3720	32922	3720	32922
	120	-	-	-	-	3980	35223	4560	40356	4740	41949
	160	-	-	-	-	3980	35223	4560	40356	5720	50622
	200	-	-	-	-	3980	35223	4560	40356	5720	50622
	242	-	-	-	-	3980	35223	4560	40356	5720	50622
	320	-	-	-	-	3980	35223	4560	40356	5720	50622

•Dimensions

Unit: mm

Symbol \ Size	20	25	32	40	50	65	80	100
øA	70	85	110	135	170	215	265	330
B	25	29	37	43	53	71	83	101