

DSP SERIES ROLLERS

The DSP fits nicely in between the UBA and DSS families. These profiles work great either in lower ratio, high RPM applications or in lower engine speed applications where you can use a faster lobe.

CAMSHAFT TYPE	LOBE NUMBER	RATED DURATION	DURATION IN DEGREES		LOBE LIFT	TAPPET LIFT @ TDC		THEORETICAL VALVE LIFT @ "0" Lash ROCKER ARM RATIO		
			@ .050	@ .200		106°	110°	1.6	1.7	1.8
			DSP Series Rated Duration @ .020" Tappet Lift Journal = B,R,M MI 28.5 (13.8/14.7)	12280		291	262	187	.462	.141
	12281	293	264	189	.463	.146	.128	.741	.787	.833
	12282	295	266	191	.464	.150	.132	.742	.789	.835
	14293	297	268	193	.465	.155	.137	.744	.791	.837
	14294	299	270	195	.466	.159	.141	.746	.792	.839
	14925	301	272	197	.467	.164	.146	.747	.794	.841
	14296	303	274	199	.468	.168	.150	.749	.796	.842

CAMSHAFT TYPE	LOBE	RATED	DURATION IN		LOBE	TAPPET LIFT @		THEORETICAL VALVE		
			@ .050	@ .200		106°	110°	1.6	1.7	1.8
			DSP Series Rated Duration @ .020" Tappet Lift	12170		279	250	175	.461	.115
	12171	281	252	177	.463	.120	.103	.741	.787	.833
	12172	283	254	179	.465	.124	.107	.744	.791	.837
	12173	285	256	181	.466	.128	.111	.746	.792	.839
	12174	287	258	183	.467	.133	.115	.747	.794	.841
	12175	289	260	185	.468	.137	.120	.749	.796	.842
	12176	291	262	187	.469	.142	.124	.750	.797	.844
	12177	293	264	189	.470	.146	.128	.752	.799	.846
	12178	295	266	191	.471	.151	.133	.754	.801	.848
	12179	297	268	193	.472	.155	.137	.755	.802	.850
	12180	299	270	195	.473	.160	.142	.757	.804	.851
	12181	301	272	197	.474	.165	.146	.758	.806	.853
	12182	303	274	199	.475	.169	.151	.760	.808	.855
	12162	305	276	201	.476	.174	.155	.762	.809	.857
	12163	307	278	203	.477	.179	.160	.763	.811	.859
	12274	309	280	205	.478	.183	.164	.765	.813	.860
	12275	311	282	207	.479	.188	.169	.766	.814	.862

DSS SERIES ROLLERS

The DSS rollers are based off the best aspects of the HXL and DR series. These work very well in high torque applications that can take advantage of an aggressive high lobe lift design. The DSS series is an very good choice for applications where valve motion similar to that of an aggressive high ratio lobe is desired without going with an extreme rocker ratio. Available for 1.948" and larger journal sizes, but cannot be ground on standard journal Small Block Chevy or Small Base Circle cores.

CAMSHAFT TYPE	LOBE NUMBER	RATED DURATION	DURATION IN DEGREES		LOBE LIFT	TAPPET LIFT @ TDC		THEORETICAL VALVE LIFT @ "0" Lash ROCKER ARM RATIO		
			@ .050	@ .200		106°	110°	1.5	1.6	1.7
			DSS Series Rated Duration @ .020" Tappet Lift	11503		276	248	175	.466	.113
	11504	278	250	177	.468	.117	.100	.702	.749	.796
	11505	280	252	179	.470	.121	.104	.705	.752	.799
	11506	282	254	181	.472	.126	.109	.708	.755	.802
	2531	284	256	183	.474	.130	.113	.711	.758	.806
	2545	286	258	185	.475	.135	.117	.713	.760	.808
	2551	288	260	187	.476	.139	.121	.714	.762	.809
	2555	299	262	189	.477	.143	.125	.716	.763	.811
	2557	292	264	191	.478	.148	.130	.717	.765	.813

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2559	294	266	192	.479	.153	.134	.719	.766	.814
2560	296	268	194	.480	.157	.139	.720	.768	.816
2521	298	270	196	.481	.162	.143	.722	.770	.818
2522	300	272	198	.482	.166	.148	.723	.771	.819
2523	302	274	200	.483	.171	.152	.725	.773	.821
2524	304	276	202	.484	.176	.157	.726	.774	.823
2525	306	278	204	.485	.180	.161	.728	.776	.825
2526	308	280	206	.486	.185	.166	.729	.778	.826
2527	310	282	208	.487	.189	.170	.731	.779	.828
2528	312	284	210	.488	.194	.175	.732	.781	.830
2529	314	286	212	.489	.199	.180	.734	.782	.831

DSL SERIES ROLLERS

The DSL rollers are based off the DSP and DSS series, but with increased lobe lift. The DSL series is an very good choice for applications where valve motion similar to that of an aggressive high ratio lobe is desired without going with a high ratio. Available for 55mm / 2.165" and larger journal sizes, but cannot be ground on standard journal Big Block Chevy, Small Block Chevy or Small Base Circle cores.

CAMSHAFT TYPE	LOBE NUMBER	RATED DURATION	DURATION IN DEGREES		LOBE LIFT	TAPPET LIFT @ TDC		THEORETICAL VALVE LIFT @ "0" Lash		
			@ .050	@ .200		106°	110°	1.5	1.6	1.7
			DSL Series Rated Duration @ .020" Tappet Lift MI 28.4 (13.6/14.7)	12374		286	258	185	.502	.135
	12375	288	260	187	.504	.139	.121	.756	.806	.857
	12376	290	262	189	.506	.144	.126	.759	.810	.860
	12377	292	264	191	.508	.149	.130	.762	.813	.864
	12378	294	266	193	.510	.154	.135	.765	.816	.867
	12379	296	268	195	.512	.159	.139	.768	.819	.870
	12380	298	270	197	.514	.163	.144	.771	.822	.874
	12381	300	272	199	.516	.168	.149	.774	.826	.877
	12382	302	274	201	.518	.173	.154	.777	.829	.881
	12383	304	276	203	.520	.178	.159	.780	.832	.884
	12384	306	278	205	.522	.183	.163	.783	.835	.887
	12385	308	280	207	.524	.188	.168	.786	.838	.891
	12386	310	282	209	.526	.193	.173	.789	.842	.894
	14387	312	284	211	.528	.198	.178	.792	.845	.898
	14388	314	286	213	.530	.203	.183	.795	.848	.901
	14490	298	270	198	.535	.164	.144	.803	.856	.910
	14492	302	274	202	.535	.174	.154	.803	.856	.910
	14494	306	278	206	.535	.184	.164	.803	.856	.910
	14496	310	282	209	.535	.193	.173	.803	.856	.910

DTT SERIES ROLLERS

The DTT fits is like a slower opening version of the DSS with a closing ramp like the DSL. These should be smoother and better in high RPM applications.

CAMSHAFT TYPE	LOBE NUMBER	RATED DURATION	DURATION IN DEGREES		LOBE LIFT	TAPPET LIFT @ TDC		THEORETICAL VALVE LIFT @ "0" Lash ROCKER ARM RATIO		
			@ .050	@ .200		106°	110°	1.6	1.7	1.8
			DTT Series Rated Duration @ .020" Tappet Lift Journal = R,M MI 28.9 (14.0/14.9)	14020		300	271	195	.480	.164
	14021	302	273	197	.482	.168	.150	.771	.819	.868
	14022	304	275	199	.484	.173	.155	.774	.823	.871
	14023	306	277	201	.486	.177	.159	.778	.826	.875
	14024	308	279	203	.488	.182	.164	.781	.830	.878
	14025	310	281	205	.490	.186	.168	.784	.833	.882
	14026	312	283	207	.492	.191	.173	.787	.836	.886
	14028	316	287	211	.496	.200	.182	.794	.843	.893
	14030	320	291	215	.500	.209	.191	.800	.850	.900
CAMSHAFT TYPE	LOBE NUMBER	RATED DURATION	DURATION IN DEGREES		LOBE LIFT	TAPPET LIFT @ TDC		THEORETICAL VALVE LIFT @ "0" Lash ROCKER ARM RATIO		
			@ .050	@ .200		106°	110°	1.6	1.7	1.8
			DTT Series	14616		292	263	186	.455	.144

Rated Duration @
.020" Tappet Lift
Journal = B,R,M
MI 28.9 (14.0/14.9)

14617	294	265	188	.457	.148	.131	.731	.777	.823
14618	296	267	190	.459	.153	.136	.734	.780	.826
14619	298	269	192	.461	.157	.140	.738	.784	.830
14620	300	271	194	.463	.161	.144	.741	.787	.833
14621	302	273	196	.465	.166	.148	.744	.791	.837
14622	304	275	198	.467	.170	.153	.747	.794	.841
14623	306	277	200	.469	.175	.157	.750	.797	.844
14624	308	279	202	.471	.179	.161	.754	.801	.848
14625	310	281	204	.473	.184	.166	.757	.804	.851
14626	312	283	206	.475	.188	.170	.760	.808	.855
14627	314	285	208	.477	.192	.175	.763	.811	.859
14628	316	287	210	.479	.196	.179	.766	.814	.862

DTT Series

Rated Duration @
.020" Tappet Lift
Journal = B,R,M
MI 28.9 (14.0/14.9)

14658	296	267	191	.490	.154	.136	.784	.833	.882

DGO SERIES ROLLERS

The DGO series is a closing side offset in version of the DSL that should make better torque like a DSS while hloading on at high RPM more like the DSL.

CAMSHAFT TYPE

DGO Series

Rated Duration @
.020" Tappet Lift
Journal = R,M
MI 28.2 (13.7/14.5)

LOBE NUMBER	RATED DURATION	DURATION IN DEGREES		LOBE LIFT	TAPPET LIFT @ TDC		THEORETICAL VALVE LIFT @ "0" Lash ROCKER ARM RATIO		
		@ .050	@ .200		106°	110°	1.6	1.7	1.8
14668	289	261	187	.462	.143	.125	.739	.785	.832
14669	291	263	189	.464	.147	.129	.742	.789	.835
14670	293	265	191	.466	.152	.134	.746	.792	.839
14671	295	267	193	.468	.156	.138	.749	.796	.842
14672	297	269	195	.470	.161	.143	.752	.799	.846

DGX SERIES ROLLERS

The DGX series is an exhaust colpiment to the DGO with slightly more ramp, so they also could be very good on th eintake side in applications that require more lash.

CAMSHAFT TYPE

DGX Series

Rated Duration @
.020" Tappet Lift
Journal = R,M
MI 29.0 (14.0/15.0)

LOBE NUMBER	RATED DURATION	DURATION IN DEGREES		LOBE LIFT	TAPPET LIFT @ TDC		THEORETICAL VALVE LIFT @ "0" Lash ROCKER ARM RATIO		
		@ .050	@ .200		106°	110°	1.6	1.7	1.8
14695	301	272	197	.475	.165	.146	.760	.808	.855
14696	303	274	199	.477	.169	.151	.763	.811	.859
14697	305	276	201	.479	.174	.155	.766	.814	.862