



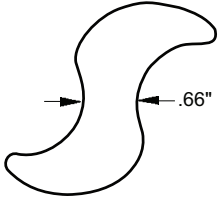
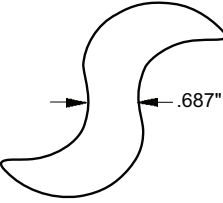
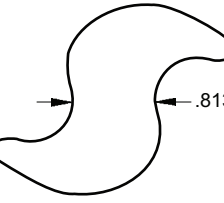
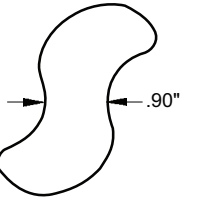
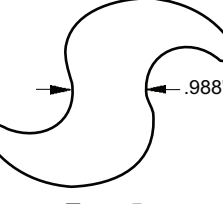
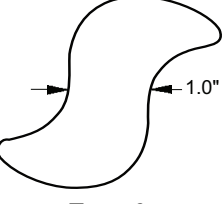
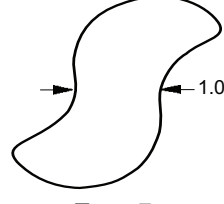
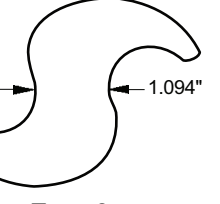
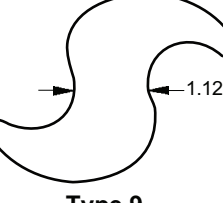
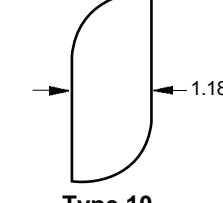
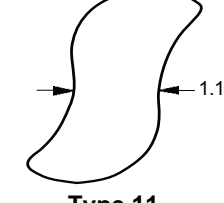
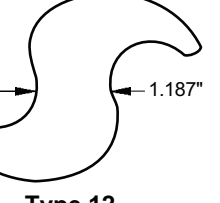
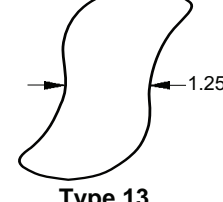
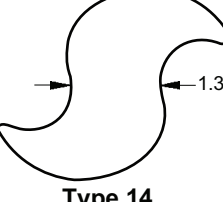
## CAMSHAFT QUICK IDENTIFICATION

### 4-Step Quick Identification

1. Determine Head Type.
2. Identify Spline Type.
3. Measure Under Head Bearing Diameter.
4. Measure Length, (Under Head to Snap Ring Groove).

**Type 1** - Dana 12-1/4" 2nd Generation "Fast Rise"  
**Type 2** - Rockwell 12-1/4" "Q"  
**Type 3** - Fruehauf 12-1/4"  
**Type 4** - Dexter 12-1/4" "HighRise"  
**Type 5** - Rockwell "Q-Plus"  
**Type 6** - Eaton 15x4" "Extended Service" (ES150)  
**Type 7** - Dana, Dexter & Eaton 12-1/4" (Std. Small "S")

**Type 8** - Dana "Fast Change", "Xtralife", "Xtralife II"  
**Type 9** - Eaton "Extended Service"  
**Type 10** - Rockwell Early "T" Series (Flat Style)  
**Type 11** - Rockwell Late "T" & "Q" Series (Small "S")  
**Type 12** - Rockwell "Q" (Large "S")  
**Type 13** - Eaton 15x4" Standard Service (EB150)  
**Type 14** - Bendix, Dana, Dexter, Eaton

			
<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>Type 4</b>
			
<b>Type 5</b>	<b>Type 6</b>	<b>Type 7</b>	<b>Type 8</b>
			
<b>Type 9</b>	<b>Type 10</b>	<b>Type 11</b>	<b>Type 12</b>
			
<b>Type 13</b>	<b>Type 14</b>		

Cams

9



Spline Type



Under Head Bearing Diameter



Length

# CAMSHAFT QUICK IDENTIFICATION

R.H.	L.H.	Length	Note	See Page
------	------	--------	------	----------

## Type 1

**Dana 12-1/4" 2nd Generation 'Fast Rise'**

**1-1/2" - 10 Spline; 1-1/2" Under Head Bearing Dia.**

L3302	L3303	16-1/8"	-	352
L3140	L3141	18-7/8"	-	352
L3136	L3137	20-1/2"	-	352
L3132	L3133	21-1/4"	-	353
L3138	L3139	22"	-	353
L3130	L3131	23-1/8"	-	353
L3304	L3305	23-5/8"	-	353
L3134	L3135	23-7/8"	-	353
L3142	L3143	26-1/4"	-	353

**1-1/2" - 10 Spline; 1-5/8" Under Head Bearing Dia.**

L3262	L3263	20-7/16"	-	355
L3266	L3267	21-5/16"	-	355
L3270	L3271	23-3/16"	-	355

**1-1/2" - 28 Spline; 1-1/2" Under Head Bearing Dia.**

L3254	L3255	20-7/16"	-	354
L3260	L3261	21-5/16"	-	354
L3264	L3265	22-1/16"	-	354
L3170	L3171	23-3/16"	-	354
L3258	L3259	24"	-	354

**1-1/2" - 28 Spline; 1-5/8" Under Head Bearing Dia.**

L3268	L3269	20-7/16"	-	356
L3272	L3273	21-5/16"	-	356
L3498	L3499	22-1/16"	-	356
L3276	L3277	23-5/16"	-	356
L3274	L3275	24"	-	356
L3544	L3545	26-1/4"	-	356

## Type 2

**Rockwell 12-1/4" 'Q'**

**1-1/2" - 10 Spline; 1-5/8" Under Head Bearing Dia.**

L3036	L3037	20-3/8"	-	391
-------	-------	---------	---	-----

**1-1/2" - 28 Spline; 1-5/8" Under Head Bearing Dia.**

L2347	L2348	20-3/8"	-	392
L3346	L3347	23-7/32"	-	392

R.H.	L.H.	Length	Note	See Page
------	------	--------	------	----------

## Type 3

**Fruehauf 12-1/4"**

**1-5/8" - 37 Spline; 1-5/8" Under Head Bearing Dia.**

L1698	L1699	16-1/8"	-	377
L2379	L2380	21-3/16"	-	377

## Type 4

**Dexter 12-1/4" 'HighRise'**

**1-1/2" - 28 Spline; 1-1/2" Under Head Bearing Dia.**

L3550	L3551	16-3/8"	-	367
L3546	L3547	21-1/8"	-	367
L3488	L3489	22-5/16"	-	367
L3600	L3601	24-5/8"	-	367
L3548	L3549	26-1/2"	-	367

## Type 5

**Rockwell 'Q-Plus'**

**1-1/2" - 28 Spline; 1-1/2" Under Head Bearing Dia.**

L3348	L3349	8-11/16"	-	384
L3088	L3089	9-1/4"	-	384
L3342	L3343	9-7/16"	-	384
L3492	L3493	11-9/16"	-	384

## Type 6

**Eaton 15x4" 'Extended Service' (ES150)**

**1-1/4" - 10 Spline; 1-1/4" Under Head Bearing Dia.**

L3250	L3251	7-5/8"	-	369
L3244	L3245	7-15/16"	-	369
L3190	L3191	8-3/16"	-	369
L3246	L3247	8-3/8"	-	369
L3198	L3199	8-9/16"	-	369
L3252	L3253	8-15/16"	-	369
L3194	L3195	9-3/16"	-	369
L3192	L3193	9-9/16"	-	369
L3248	L3249	9-25/32"	-	369
L3196	L3197	10-15/16"	-	369
L3256	L3257	11-1/8"	-	369

Cams

**9**

# CAMSHAFT QUICK IDENTIFICATION

R.H.	L.H.	Length	Note	See Page
------	------	--------	------	----------

## Type 7

**Dana, Dexter Eaton 12-1/4" (Std. Small 'S')**

**1-1/2" - 10 Spline; 1-1/2" Under Head Bearing Dia.**

L2468	L2469	18-7/8"	-	351
L901	L900	20-3/8"	-	366, 373
L2470	L2471	20-1/2"	-	351
L1074	L1075	21-1/8"	-	351, 366
L2472	L2473	22-1/16"	-	351
L1384	L1385	22-5/16"	-	366, 373
L2988	L2989	22-3/4"	-	373
L733	L734	23-1/4"	-	351
L735	L736	23-7/8"	-	352
L2476	L2477	26-1/4"	-	352

## Type 8

**Dana 'Fast Change', 'Xtralife', 'Xtralife II'**

**1-1/2" - 10 Spline; 1-1/2" Under Head Bearing Dia.**

L3292	L3293	17-7/16"	-	360
L3392	L3393	19-1/2"	-	360
L3380	L3381	20-3/8"	-	360
L3598	L3599	22-7/8"	-	360
L3290	L3291	23-9/16"	-	360
L3306	L3307	24"	-	360
L3124	L3125	26-1/4"	-	360
L3358	L3359	26-1/2"	-	360
L3628	L3629	30-1/4"	-	360

**1-1/2" - 10 Spline; 1-5/8" Under Head Bearing Dia.**

L3280	L3281	17-7/16"	-	363
L3404	L3405	20-3/8"	-	363
L3278	L3279	23-9/16"	-	363
L3412	L3413	24"	-	363
L3410	L3411	26-1/4"	-	363

**1-1/2" - 28 Spline; 1-1/2" Under Head Bearing Dia.**

L3444	L3445	11-1/32"	-	379
L3240	L3241	17-1/4"	-	361
L3030	L3031	17-7/16"	-	361
L3072	L3073	20-7/16"	-	361

R.H.	L.H.	Length	Note	See Page
------	------	--------	------	----------

L3508	L3509	21-7/16"	-	361
L3562	L3563	22-7/16"	-	361
L3046	L3047	22-15/16"	-	361
L3044	L3045	23-9/16"	-	361
L3308	L3309	23-15/16"	-	362
L3310	L3311	24-1/16"	-	362
L3486	L3487	25-1/16"	-	362
L3556	L3557	26-1/4"	-	362
L3374	L3375	26-1/2"	-	362
L3376	L3377	26-7/8"	-	362

**1-1/2" - 28 Spline; 1-5/8" Under Head Bearing Dia.**

L3282	L3283	17-7/16"	-	364
L3408	L3409	19-1/2"	-	364
L3286	L3287	20-7/16"	-	364
L3424	L3425	21-7/16"	-	364
L3552	L3553	22-3/8"	-	364
L3284	L3285	22-15/16"	-	364
L3554	L3555	23-1/8"	-	364
L3288	L3289	23-9/16"	-	364
L3626	L3627	24-7/16"	-	365
L3320	L3321	24"	-	365
L3480	L3481	25-1/16"	-	365
L3378	L3379	26-1/4"	-	365
L3558	L3559	26-1/2"	-	365
L3406	L3407	26-7/8"	-	365
L3630	L3631	30-1/4"	-	365

## Type 9

**Eaton 'Extended Service'**

**1-1/2" - 10 Spline; 1-1/2" Under Head Bearing Dia.**

L3576	L3577	9-7/32"	-	381
L2970	L2971	8-5/8"	Step End	371
L3074	L3075	10-9/32"	Step End	371
L3076	L3077	10-17/32"	Step End	371
L3496	L3497	10-13/16"	Step End	371
L2972	L2973	11-3/16"	Step End	371
L2974	L2975	11-9/16"	Step End	371

Cams

**9**

# CAMSHAFT QUICK IDENTIFICATION

R.H.	L.H.	Length	Note	See Page
------	------	--------	------	----------

## Type 9 (cont.)

### Eaton 'Extended Service'

#### 1-1/2" - 10 Spline; 1-1/2" Under Head Bearing Dia.

L3420	L3421	11-15/16"	Step End	371
L2976	L2977	12-1/2"	Step End	371
L3298	L3299	12-3/4"	Step End	372
L2978	L2979	13"	Step End	372
L3582	L3583	13-1/4"	Step End	372
L3078	L3079	13-17/32"	Step End	372
L3294	L3295	14-11/32"	Step End	372
L3296	L3297	14-9/16"	Step End	372
L3300	L3301	15-1/32"	Step End	372
L3400	L3401	15-1/4"	Step End	372
L3584	L3585	15-17/32"	Step End	372
L3588	L3589	15-3/4"	Step End	372
L3586	L3587	18-1/8"	Step End	372

#### 1-1/2" - 10 Spline; 1-5/8" Under Head Bearing Dia.

L2966	L2967	19-1/2"	-	375
L2968	L2969	23-3/4"	-	375

#### 1-1/2" - 28 Spline; 1-5/8" Under Head Bearing Dia.

L3200	L3201	19-7/16"	-	376
L3202	L3203	23-11/16"	-	376

## Type 10

### Rockwell Early 'T' Series (Flat Style)

#### 1-1/4" - 10 Spline; 1-1/4" Under Head Bearing Dia.

L1737	L1738	7-15/16"	-	380
L1739	L1740	9-1/4"	-	380
L1741	L1742	11-15/16"	-	380

#### 1-1/2" - 10 Spline; 1-1/2" Under Head Bearing Dia.

L2462	L2463	8-1/32"	-	383
L2460	L2461	8-7/32"	-	383
L1720	L1721	8-1/2"	-	383
L2464	L2465	8-3/4"	-	383

R.H.	L.H.	Length	Note	See Page
------	------	--------	------	----------

## Type 11

### Rockwell Late 'T' 'Q' Series (Small 'S')

#### 1-1/4" - 10 Spline; 1-1/4" Under Head Bearing Dia.

L3578	L3579	7-11/16"	-	381
L3322	L3323	7-15/16"	-	381
L3326	L3327	8-7/16"	-	381
L3324	L3325	9-17/32"	-	381
L3580	L3581	9-13/16"	-	381

#### 1-1/4" - 24 Spline; 1-1/4" Under Head Bearing Dia.

L3312	L3313	7-11/16"	2" Off	382
L3080	L3081	7-15/16"	1-1/2" Off	382
L3082	L3083	8-7/16"	1-1/2" Off	382
L3084	L3085	9-3/16"	1-1/2" Off	382
L3086	L3087	9-9/32"	2" Off	382
L3494	L3495	9-5/16"	1-1/2" Off	382

## Type 12

### Rockwell 'Q' (Large 'S')

#### 1-1/2" - 28 Spline; 1-1/2" Under Head Bearing Dia.

L3038	L3039	7-23/32"	-	389
L3436	L3437	8-1/16"	-	389
L3350	L3351	8-9/16"	-	389
L3398	L3399	9-1/16"	-	389
L3416	L3417	9-7/16"	-	389
L3490	L3491	9-15/16"	-	389
L3090	L3091	10-3/16"	-	389
L3092	L3093	10-3/8"	-	389
L3094	L3095	10-1/2"	-	389
L3414	L3415	10-15/16"	-	389
L3096	L3097	11-3/16"	-	389
L3098	L3099	11-15/32"	-	389
L3574	L3575	11-11/16"	-	390
L3418	L3419	11-15/16"	-	390
L3482	L3483	12-7/16"	-	390
L3402	L3403	12-15/16"	-	390
L3100	L3101	13-3/16"	-	390
L3102	L3103	13-3/8"	-	390

Cams

9

# CAMSHAFT QUICK IDENTIFICATION

R.H.	L.H.	Length	Note	See Page
------	------	--------	------	----------

## Type 12 (cont.)

Rockwell 'Q' (Large 'S') cont.

### 1-1/2" - 28 Spline; 1-1/2" Under Head Bearing Dia.

L3104	L3105	13-15/32"	-	390
L3106	L3107	14-3/32"	-	390
L3338	L3339	14-9/16"	-	390
L3108	L3109	14-3/4"	-	390
L3110	L3111	15-3/16"	-	390
L3344	L3345	15-9/16"	-	390
L3506	L3507	15-23/32"	-	390
L3340	L3341	15-15/16"	-	390

### 1-1/2" - 28 Spline; 1-5/8" Under Head Bearing Dia.

L3112	L3113	17-5/16"	-	395
L3114	L3115	20-3/8"	-	395
L3560	L3561	23-1/16"	-	395
L3116	L3117	24-1/16"	-	395

## Type 13

Eaton 15x4" Standard Service (EB150)

### 1-1/4" - 10 Spline; 1-1/4" Under Head Bearing Dia.

L2834	L2835	7-15/16"	-	368
L2838	L2839	9-9/16"	-	368
L2836	L2837	9-25/32"	-	368

## Type 14

Bendix, Dana, Dexter, Eaton,  
Fruehauf Rockwell (Std. Large 'S')

### 1-1/2" - 10 Spline; 1-1/2" Under Head Bearing Dia.

L2820	L2821	5-3/8"	-	385
L2456	L2457	7-7/8"	-	385
L2403	L2404	8-1/16"	-	385
L3186	L3187	8-3/16"	Step End	350
L1412	L1413	8-9/16"	-	385
L1631	L1632	8-9/16"	Step End	370
L1072	L1073	10-1/4"	-	374, 385
L2484	L2485	11-3/32"	Step End	370
L1204	L1205	11-1/4"	-	385
L507	L508	11-1/2"	-	385

R.H.	L.H.	Length	Note	See Page
------	------	--------	------	----------

L1202	L1203	11-1/2"	Step End	370
L2452	L2453	11-3/4"	-	385
L3188	L3189	12-1/8"	Step End	350
L2450	L2451	12-1/2"	-	385
L1619	L1620	12-9/16"	Step End	370
L2482	L2483	12-29/32"	Step End	370
L2448	L2449	13-3/4"	-	385
L2401	L2402	14-1/16"	-	386
L3144	L3145	15-1/32"	Step End	370
L2442	L2443	15-5/8"	-	357
L234	L235	16-1/2"	-	374, 386
L2440	L2441	17-3/8"	-	357
L2438	L2439	17-11/16"	-	386
L1193	L1194	18-3/8"	-	374
L261	L262	18-5/8"	-	357, 386
L173	L174	20-3/8"	-	357, 377, 386
L1628	L1629	20-3/8"	Deep cut "S" Head	374
L224	L225	21-1/8"	-	358, 377, 386
L2356	L2357	22-3/8"	-	358
L2948	L2949	22-7/8"	-	358
L581	L580	23-7/16"	-	358, 374
L902	L903	24"	-	386
L2089	L2090	24-3/8"	-	358
L2844	L2845	26-7/8"	-	358

### 1-1/2" - 10 Spline; 1-5/8" Under Head Bearing Dia.

L1651	L1652	17-3/8"	-	393
L1617	L1618	19-1/2"	-	374
L1655	L1656	20-7/16"	-	393
L2466	L2467	23-3/4"	-	374
L1653	L1654	24-1/8"	-	393

### 1-1/2" - 28 Spline; 1-1/2" Under Head Bearing Dia.

L2870	L2871	8-1/2"	-	387
L2869	L2869	8-3/16"	-	387
L2874	L2875	9-7/16"	-	387
L3328	L3329	10-3/16"	-	387
L2872	L2873	10-7/16"	-	387

(cont.)

Cams

9

## CAMSHAFT QUICK IDENTIFICATION

R.H.	L.H.	Length	Note	See Page
<b>Type 14 (cont.)</b>				
Bendix, Dana, Dexter, Eaton, Fruehauf Rockwell (Std. Large 'S') cont.				
<b>1-1/2" - 28 Spline; 1-1/2" Under Head Bearing Dia.</b>				
L2876	L2877	10-13/16"	-	387
L2340	L2341	11-1/4"	-	387
L2878	L2879	11-5/32"	-	387
L2338	L2339	11-1/2"	-	387
L3034	L3035	11-5/8"	-	387
L2880	L2881	12-1/2"	-	387
L3050	L3051	12-13/16"	-	388
L2882	L2883	12-15/16"	-	388
L2884	L2885	13-5/32"	-	388
L2886	L2887	13-3/8"	-	388
L2888	L2889	13-7/16"	-	388
L2846	L2847	13-5/8"	-	388
L2342	L2343	14-1/16"	-	388
L2890	L2891	14-5/8"	-	388

R.H.	L.H.	Length	Note	See Page
L2892	L2893	14-13/16"	-	388
L3334	L3335	15-3/16"	-	388
L3330	L3331	15-3/4"	-	388
L3336	L3337	16-1/2"	-	388
L3332	L3333	17-3/8"	-	388
L2897	L2898	20-3/8"	-	359
<b>1-1/2" - 28 Spline; 1-5/8" Under Head Bearing Dia.</b>				
L3314	L3315	16-1/8"	-	378
L1298	L1299	17-1/4"	-	394
L3026	L3027	20-1/4"	-	375
L1476	L1477	20-3/8"	-	394
L3316	L3317	21-1/8"	-	378
L3422	L3423	23-7/8"	-	378
L1657	L1658	24-1/16"	-	394
<b>1-5/8" - 37 Spline; 1-5/8" Under Head Bearing Dia.</b>				
L839	L838	16-1/8"	-	378
L1023	L1024	21-1/8"	-	378
L3318	L3319	23-7/8"	-	378