

# REDCAT RDS - GEAR RATIO CHART

SPUR GEAR		RTR/Kit Spec													
		70	72	74	76	78	80	82	84	86	88	90	92	94	96
PINION GEAR	15	12.13	12.48	12.83	13.17	13.52	13.87	14.21	14.56	14.91	15.25	15.60	15.95	16.29	16.64
	16	11.38	11.70	12.03	12.35	12.68	13.00	13.33	13.65	13.98	14.30	14.63	14.95	15.28	15.60
	17	10.71	11.01	11.32	11.62	11.93	12.24	12.54	12.85	13.15	13.46	13.76	14.07	14.38	14.68
	18	10.11	10.40	10.69	10.98	11.27	11.56	11.84	12.13	12.42	12.71	13.00	13.29	13.58	13.87
	19	9.58	9.85	10.13	10.40	10.67	10.95	11.22	11.49	11.77	12.04	12.32	12.59	12.86	13.14
	20	9.10	9.36	9.62	9.88	10.14	10.40	10.66	10.92	11.18	11.44	11.70	11.96	12.22	12.48
	21	8.67	8.91	9.16	9.41	9.66	9.90	10.15	10.40	10.65	10.90	11.14	11.39	11.64	11.89
	22	8.27	8.51	8.75	8.98	9.22	9.45	9.69	9.93	10.16	10.40	10.64	10.87	11.11	11.35
	23	7.91	8.14	8.37	8.59	8.82	9.04	9.27	9.50	9.72	9.95	10.17	10.40	10.63	10.85
	24	7.58	7.80	8.02	8.23	8.45	8.67	8.88	9.10	9.32	9.53	9.75	9.97	10.18	10.40
	25	7.28	7.49	7.70	7.90	8.11	8.32	8.53	8.74	8.94	9.15	9.36	9.57	9.78	9.98
	26	7.00	7.20	7.40	7.60	7.80	8.00	8.20	8.40	8.60	8.80	9.00	9.20	9.40	9.60
	27	6.74	6.93	7.13	7.32	7.51	7.70	7.90	8.09	8.28	8.47	8.67	8.86	9.05	9.24
	28	6.50	6.69	6.87	7.06	7.24	7.43	7.61	7.80	7.99	8.17	8.36	8.54	8.73	8.91
	29	6.28	6.46	6.63	6.81	6.99	7.17	7.35	7.53	7.71	7.89	8.07	8.25	8.43	8.61
	30	6.07	6.24	6.41	6.59	6.76	6.93	7.11	7.28	7.45	7.63	7.80	7.97	8.15	8.32
	31	5.87	6.04	6.21	6.37	6.54	6.71	6.88	7.05	7.21	7.38	7.55	7.72	7.88	8.05
	32	5.69	5.85	6.01	6.18	6.34	6.50	6.66	6.83	6.99	7.15	7.31	7.48	7.64	7.80
	33	5.52	5.67	5.83	5.99	6.15	6.30	6.46	6.62	6.78	6.93	7.09	7.25	7.41	7.56
	34	5.35	5.51	5.66	5.81	5.96	6.12	6.27	6.42	6.58	6.73	6.88	7.04	7.19	7.34
	35	5.20	5.35	5.50	5.65	5.79	5.94	6.09	6.24	6.39	6.54	6.69	6.83	6.98	7.13
	36	5.06	5.20	5.34	5.49	5.63	5.78	5.92	6.07	6.21	6.36	6.50	6.64	6.79	6.93
	37	4.92	5.06	5.20	5.34	5.48	5.62	5.76	5.90	6.04	6.18	6.32	6.46	6.61	6.75
	38	4.79	4.93	5.06	5.20	5.34	5.47	5.61	5.75	5.88	6.02	6.16	6.29	6.43	6.57
	39	4.67	4.80	4.93	5.07	5.20	5.33	5.47	5.60	5.73	5.87	6.00	6.13	6.27	6.40
	40	4.55	4.68	4.81	4.94	5.07	5.20	5.33	5.46	5.59	5.72	5.85	5.98	6.11	6.24
	41	4.44	4.57	4.69	4.82	4.95	5.07	5.20	5.33	5.45	5.58	5.71	5.83	5.96	6.09
42	4.33	4.46	4.58	4.70	4.83	4.95	5.08	5.20	5.32	5.45	5.57	5.70	5.82	5.94	
43	4.23	4.35	4.47	4.60	4.72	4.84	4.96	5.08	5.20	5.32	5.44	5.56	5.68	5.80	
44	4.14	4.25	4.37	4.49	4.61	4.73	4.85	4.96	5.08	5.20	5.32	5.44	5.55	5.67	
45	4.04	4.16	4.28	4.39	4.51	4.62	4.74	4.85	4.97	5.08	5.20	5.32	5.43	5.55	
46	3.96	4.07	4.18	4.30	4.41	4.52	4.63	4.75	4.86	4.97	5.09	5.20	5.31	5.43	
47	3.87	3.98	4.09	4.20	4.31	4.43	4.54	4.65	4.76	4.87	4.98	5.09	5.20	5.31	

# REDCAT RDS TOE BLOCK CHART TOE IS IN DEGREES

REAR OF HINGEPIN		FRONT TOE BLOCK INSERT SETUP									
		FRONT OF HINGEPIN - OUT					CENTERED	FRONT OF HINGEPIN - IN			
		1.1	1	0.7	0.5	0.5		0.7	1	1.1	
OUT	1.1	0	-2	-7	-1	-1.8	-2.6	-2.9	-3.4	-3.6	
	1	.2	0	-5	-8	-1.6	-2.5	-2.8	-3.3	-3.4	
	0.7	.7	.5	0	-3	-1.2	-2	-2.3	-2.8	-2.9	
	0.5	1	.8	.3	0	-8	-1.6	-2	-2.5	-2.6	
	CENTERED	1.8	1.6	1.2	.8	0	-8	-1.2	-1.6	-1.8	
IN	0.5	2.6	2.5	2	1.6	.8	0	-3	-8	-1	
	0.7	2.9	2.8	2.3	2	1.2	.3	0	-5	-7	
	1	3.4	3.3	2.8	2.5	1.6	.8	.5	0	-2	
	1.1	3.6	3.4	2.9	2.6	1.8	1	.7	.2	0	

REAR OF HINGEPIN		REAR TOE BLOCK INSERT SETUP									
		FRONT OF HINGEPIN - OUT					CENTERED	FRONT OF HINGEPIN - IN			
		1.1	1	0.7	0.5	0.5		0.7	1	1.1	
OUT	1.1	0	-2	-6	-9	-1.7	-2.4	-2.7	-3.2	-3.3	
	1	-	0	-5	-8	-1.5	-2.3	-2.6	-3	-3.2	
	0.7	-	-	0	-3	-1.1	-1.8	-2.1	-2.6	-2.7	
	0.5	-	-	-	0	-8	-1.5	-1.8	-2.3	-2.4	
	CENTERED	-	-	-	-	0	-8	-1.1	-1.5	-1.7	
IN	0.5	-	-	-	-	-	0	-3	-8	-9	
	0.7	-	-	-	-	-	-	0	-5	-6	
	1	-	-	-	-	-	-	-	0	-2	
	1.1	-	-	-	-	-	-	-	-	0	

ANGLE OF TOE