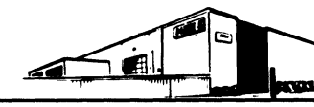

RAYMOND GOLD HEAVY DUTY DIE SPRINGS

Raymond HEAVY DUTY DIE SPRINGS INCH SERIES GOLD						LOAD DEFLECTION TABLE							
Spring O.D. Hole Dia.	Spring I.D. Rod Dia.	Free Length (in)	CATALOG NUMBER	PART NUMBER	Load at 1/10 in. Def. (lb)	For Optimum Life (15% of free length)		For Long Life (20% of free length)		Maximum Operating Def. (25% of free length)		*Maximum Deflection (30% of free length)	
A	B	C				Load (lb)	Deflection (in)	Load (lb)	Deflection (in)	Load (lb)	Deflection (in)	Load (lb)	Deflection (in)
		1	04 H 10	H-100	11.0	16.5	0.15	22.0	0.20	27.5	0.25	33.0	0.30
		1 1/4	04 H 12	H-100A	9.8	18.4	0.19	24.5	0.25	30.6	0.31	36.8	0.38
		1 1/2	04 H 15	H-101	8.0	18.0	0.23	24.0	0.30	30.0	0.38	36.0	0.45
3/8	3/16	1 3/4	04 H 17	H-101A	8.4	22.1	0.26	29.4	0.35	36.8	0.44	44.1	0.53
		2	04 H 20	H-102	7.2	21.6	0.30	28.8	0.40	36.0	0.50	43.2	0.60
		2 1/2	04 H 25	H-103	5.5	20.6	0.38	27.5	0.50	34.4	0.63	41.3	0.75
		3	04 H 30	H-104	4.2	18.9	0.45	25.2	0.60	31.5	0.75	37.8	0.90
		12	04 H 120	H-105	1.2	21.6	1.80	28.8	2.40	36.0	3.00	43.2	3.60
		1	05 H 10	H-110	23.6	35.4	0.15	47.2	0.20	59.0	0.25	70.8	0.30
		1 1/4	05 H 12	H-110A	18.6	34.9	0.19	46.5	0.25	58.1	0.31	69.8	0.38
		1 1/2	05 H 15	H-111	15.5	34.9	0.23	46.5	0.30	58.1	0.38	69.8	0.45
		1 3/4	05 H 17	H-111A	13.8	36.2	0.26	48.3	0.35	60.4	0.44	72.5	0.53
1/2	9/32	2	05 H 20	H-112	11.0	33.0	0.30	44.0	0.40	55.0	0.50	66.0	0.60
		2 1/2	05 H 25	H-113	8.4	31.5	0.38	42.0	0.50	52.5	0.63	63.0	0.75
		3	05 H 30	H-114	7.4	33.3	0.45	44.4	0.60	55.5	0.75	66.6	0.90
		3 1/2	05 H 35	H-115	6.0	31.5	0.53	42.0	0.70	52.5	0.88	63.0	1.05
		12	05 H 120	H-117	1.6	28.8	1.80	38.4	2.40	48.0	3.00	57.6	3.60
		1	06 H 10	H-120	42.4	63.6	0.15	84.8	0.20	106.0	0.25	127.2	0.30
		1 1/4	06 H 12	H-120A	29.6	55.5	0.19	74.0	0.25	92.5	0.31	111.0	0.38
		1 1/2	06 H 15	H-121	27.2	61.2	0.23	81.6	0.30	102.0	0.38	122.4	0.45
		1 3/4	06 H 17	H-121A	24.0	63.0	0.26	84.0	0.35	105.0	0.44	126.0	0.53
5/8	11/32	2	06 H 20	H-122	20.8	62.4	0.30	83.2	0.40	104.0	0.50	124.8	0.60
		2 1/2	06 H 25	H-123	17.0	63.8	0.38	85.0	0.50	106.3	0.63	127.5	0.75
		3	06 H 30	H-124	14.4	64.8	0.45	86.4	0.60	108.0	0.75	129.6	0.90
		3 1/2	06 H 35	H-125	12.2	64.1	0.53	85.4	0.70	106.8	0.88	128.1	1.05
		4	06 H 40	H-126	10.8	64.8	0.60	86.4	0.80	108.0	1.00	129.6	1.20
		12	06 H 120	H-127	3.0	54.0	1.80	72.0	2.40	90.0	3.00	108.0	3.60
		1	07 H 10	H-1	108.0	162.0	0.15	216.0	0.20	270.0	0.25	324.0	0.30
		1 1/4	07 H 12	H-1A	88.0	165.0	0.19	220.0	0.25	275.0	0.31	330.0	0.38
		1 1/2	07 H 15	H-2	65.6	147.6	0.23	196.8	0.30	246.0	0.38	295.2	0.45
		1 3/4	07 H 17	H-2A	60.0	157.5	0.26	210.0	0.35	262.5	0.44	315.0	0.53
		2	07 H 20	H-3	49.6	148.8	0.30	198.4	0.40	248.0	0.50	297.6	0.60
		2 1/2	07 H 25	H-4	40.0	150.0	0.38	200.0	0.50	250.0	0.63	300.0	0.75
3/4	3/8	3	07 H 30	H-5	34.0	153.0	0.45	204.0	0.60	255.0	0.75	306.0	0.90
		3 1/2	07 H 35	H-6	28.0	147.0	0.53	196.0	0.70	245.0	0.88	294.0	1.05
		4	07 H 40	H-7	25.0	150.0	0.60	200.0	0.80	250.0	1.00	300.0	1.20
		4 1/2	07 H 45	H-8	22.0	148.5	0.68	198.0	0.90	247.5	1.13	297.0	1.35
		5	07 H 50	H-9	19.5	146.3	0.75	195.0	1.00	243.8	1.25	292.5	1.50
		5 1/2	07 H 55	H-10	17.0	140.3	0.83	187.0	1.10	233.8	1.38	280.5	1.65
		6	07 H 60	H-11	16.0	144.0	0.90	192.0	1.20	240.0	1.50	288.0	1.80
		12	07 H 120	H-11A	8.0	144.0	1.80	192.0	2.40	240.0	3.00	288.0	3.60

*Tabulated load values shown represent loads near solid and are for design information only.