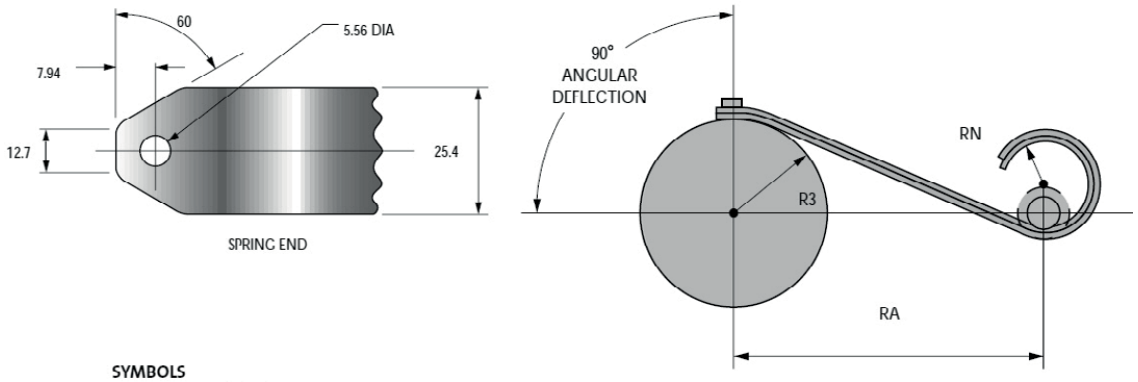
KERN LIEBERS

MAXIMUM ENERGY CONSTANT TORQUE SPRINGS

EB-RW

SPRING NUMBER	W	T	L	RN	R3	RA	TOTAL TORQUE OUTPUT FOR NUMBER OF LEAVES / LAMINATIONS +/- 10%							
							1	2	3	4	5	6	7	8
	mm						NM (Newton Meters)							
RW11	25,4	0,25	130	9	21	69	1,2	2,5	3,7	5,0	6,2	7,5	8,7	10,0
RW12	25,4	0,31	145	11	25	79	1,8	3,6	5,4	7,2	7,0	10,8	12,5	14,3
RW13	25,4	0,36	165	13	29	93	2,4	4,9	7,3	9,7	12,2	14,6	17,1	19,5
RW14	25,4	0,38	180	14	32	99	2,8	5,6	8,4	11,2	14,0	16,8	19,6	22,4
RW15	25,4	0,41	180	15	34	102	3,2	6,4	9,5	12,7	15,9	19,1	22,3	25,5
RW16	25,4	0,46	200	17	38	114	4,0	8,0	12,1	16,1	20,1	24,2	28,2	31,8
RW17	25,4	0,51	230	18	42	127	5,0	10,0	14,9	19,9	24,9	29,8	34,8	39,8
RW18	25,4	0,56	250	20	46	140	6,0	12,0	17,0	24,0	30,0	35,9	41,9	47,9
RW19	25,4	0,64	280	23	53	159	7,7	15,5	23,2	31,0	38,7	45,5	54,2	61,9

NOTE: NOT MORE THAN 8 LEAVES TO BE USED TOGETHER IN ANY ONE SET. WHEN ORDERING PLEASE QUOTE SPRING REFERENCE AND NUMBER OF LEAVES PER SET, I.E. RW 15/8 *REFERENCE ONLY, MAY BE VARIED TO MEET TORQUE SPECIFICATION..



SYMBOLS

T = Material thickness
L = Spring length (ref only)
RN = Free coil radius
R3 = Torque drum radius
RA = Optimum centre spacing

LAMINATED CONSTANT TORQUE SPRINGS FOR 90˚ ANGULAR DEFLECTIONS

The EB-RW laminated spring is a short deflection form of spring motor and generally consists of two or more laminations. The torque being the sum of the number of Spiroflex springs used, a maximum of 8 springs can be used in any one assembly, providing increased torque in the least possible space.

Our standard range of maximum energy springs are designed for 90° maximum angular movement with an average fatigue life of 5,000 cycles. However, special Spiroflex springs can be manufactured to provide higher fatigue lives and greater deflections. To discuss your needs, please call our Technical Sales Department who will be pleased to help.

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www.kern-liebers.com