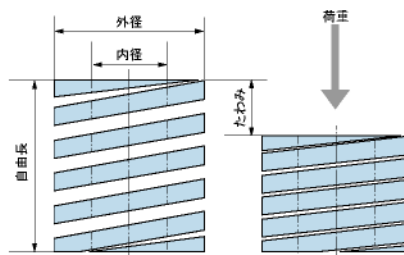


BLU/DSL 軽荷重 Light load Spring



材 質：SWOSC-V相当
タイプ：軽荷重
塗装色：青色 (blue)

RoHS適合



●荷重の計算式
荷重(N)=バネ定数×たわみ(mm)

荷重(kgf)にするには
荷重(N)×0.101972

●最大たわみの計算式
最大たわみ(mm)÷自由長-密着長

DAI Spring の許容差

外 径		内 径		自 由 長		荷 重	直角度	巻方向
60mm以下	70mm以上	33mm以下	38.5mm以上	50mm以下	55mm以上			
+0 mm -0.7 mm	+0 mm -1.0 mm	+0.7 mm +0.1 mm	-0 mm +1.0 mm	±0.5 mm	±1 %	±10 %	2° 以下	右巻

軽荷重のバネ定数および使用回数と荷重の関係

赤文字は計画中

外径 自由長	6	7	8	9	10	11	12	13	14	15	16	18	20	22	25	27	30	35	40	50	60	70
10		21.88	24.52	29.00	34.32																	
15	13.04	14.58	16.38	19.33	22.85	28.00	34.32															
20	9.81	10.94	12.26	14.50	17.75	21.00	25.79	29.71	34.32	38.38	42.95	52.76	66.19									
25	7.85	8.75	9.81	11.60	14.22	16.80	20.59	23.77	27.46	30.70	34.32	42.17	52.96	65.70	82.38	98.07	118.76					
30	6.57	7.29	8.14	9.67	11.87	14.00	17.16	19.81	22.95	25.58	28.64	35.11	44.13	54.92	68.65	81.69	98.85					
35	5.59	6.25	6.96	8.29	10.10	12.00	14.71	16.98	19.61	21.93	24.52	30.11	37.85	47.07	58.84	70.02	84.83					
40	4.90	5.47	6.18	7.25	8.83	10.50	12.94	14.86	17.16	19.19	21.48	26.38	33.15	41.19	51.48	61.29	74.14	101.11	132.39			
45		4.86	5.49	6.44	7.85	9.33	11.47	13.21	15.30	17.06	19.12	23.44	29.42	36.48	45.80	54.52	66.00	89.93	117.68			
50		4.38	4.90	5.80	7.16	8.40	10.30	11.89	13.73	15.35	17.16	21.08	26.48	32.85	41.19	49.03	59.33	80.90	105.91	165.63		
55			4.51	5.27	6.47	7.64	9.41	10.80	12.45	13.95	15.69	19.22	24.03	29.91	37.46	44.62	53.94	73.55	96.30	150.53		
60			4.12	4.83	5.88	7.00	8.63	9.90	11.47	12.79	14.32	17.55	22.06	27.46	34.32	40.89	49.43	67.37	88.26	138.08	198.58	
65			3.73	4.46	5.39	6.46	7.94	9.14	10.59	11.81	13.24	16.28	20.40	25.30	31.68	37.76	45.60	62.27	81.49	127.39		
70			3.53	4.14	5.00	6.00	7.35	8.49	9.81	10.96	12.26	15.10	18.93	23.54	29.42	35.01	42.36	57.76	75.61	118.37	170.14	213.78
75			3.24	3.87	4.71	5.60	6.86	7.92	9.12	10.23	11.47	14.12	17.65	21.87	27.46	32.66	39.52	53.94	70.61	110.42		
80			3.04	3.63	4.41	5.25	6.47	7.43	8.53	9.59	10.79	13.24	16.57	20.59	25.79	30.69	37.07	50.50	66.19	103.56	148.86	186.33
90					3.92	4.67	5.69	6.60	7.55	8.53	9.61	11.77	14.71	18.24	22.85	27.26	32.95	44.91	58.84	91.99	132.39	165.73
100									6.86	7.68	8.63	10.49	13.24	16.48	20.59	24.52	29.62	40.40	52.96	82.87	119.15	149.06
125											6.86	8.43	10.59	13.14	16.48	19.61	23.73	32.36	42.36	66.29	95.32	119.64
150													8.83	10.98	13.73	16.38	19.71	26.97	35.30	55.21	79.43	100.03
175															11.77	14.02	16.87	23.05	30.20	47.27	68.06	85.42
200															10.30	12.26	14.81	20.20	26.48	41.38	59.53	74.73
225																			23.54	36.77	52.96	
250																			21.18	33.15	47.66	59.82
275																			19.22	30.11	43.35	
300																			17.65	27.56	39.72	49.82
350																				23.63	34.03	42.66
400																				20.69	29.81	
450																				18.44	26.48	
500																				16.57	23.83	
内 径	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	9	10	11	12.5	13.5	15	17.5	20	25	30	38.5

表中：バネ定数 (N/mm)

荷重 N (kg)	30万回	78.0 (8)	87.5 (8.9)	98.1 (10)	116.0 (11.8)	137.3 (14)	168.0 (17.1)	205.9 (21)	237.7 (24.2)	274.6 (28)	307.0 (31.3)	343.2 (35)	421.7 (43)	529.6 (54)	657.0 (67)	823.8 (84)	980.7 (100)	1186.6 (121)	1618.1 (165)	2118.2 (216)	3314.6 (338)	4766.0 (486)	5978 (610)
	50万回	71.0 (7)	78.8 (8)	88.3 (9)	104.4 (10.6)	127.5 (13)	151.2 (15.4)	186.3 (19)	213.9 (21.8)	245.2 (25)	276.3 (28.2)	313.8 (32)	382.5 (39)	470.7 (48)	588.4 (60)	735.5 (75)	882.6 (90)	1068.9 (109)	1461.2 (149)	1902.5 (194)	2981.2 (304)	4285.5 (437)	5380 (549)
	100万回	63.0 (6)	70.0 (7.1)	78.5 (8)	92.8 (9.5)	107.9 (11)	134.4 (13.7)	166.7 (17)	190.2 (19.4)	215.7 (22)	245.6 (25)	274.6 (28)	333.4 (34)	421.7 (43)	529.6 (54)	657.0 (67)	784.5 (80)	951.2 (97)	1294.5 (132)	1696.6 (173)	2647.8 (270)	3814.8 (389)	4782 (488)

使用回数	30万回	50万回	100万回
たわみ (自由長の%)	40.0%	36.0%	32.0%

次ページ詳細

BLU/DSL 軽荷重 Light load Spring

材質:SWOSC-V相当

RoHS適合

外径 mm	内径 mm	線径 mm	バネ定数 N/mm	全長 mm	30万回 たわみ mm	50万回 たわみ mm	100万回 たわみ mm	Code No.	単価(円)		
									1個	50個	200個
6	3	15	13.04	1.33	8.6	6.0	5.4	BLU 6-15	68	63	59
		20	9.81	1.00	11.5	8.0	7.2	20	72	67	63
		25	7.85	0.80	14.4	10.0	9.0	25	76	71	66
		30	6.57	0.67	17.3	12.0	10.8	30	84	78	73
		35	5.59	0.57	20.1	14.0	12.6	35	84	78	73
		40	4.90	0.50	23.0	16.0	14.4	40	92	86	80
7	3.5	10	21.88	2.23	5.8	4.0	3.6	BLU 7-10	73	69	65
		15	14.58	1.49	8.6	6.0	5.4	15	65	61	58
		20	10.94	1.12	11.5	8.0	7.2	20	70	66	63
		25	8.75	0.89	14.4	10.0	9.0	25	73	69	65
		30	7.29	0.74	17.3	12.0	10.8	30	80	76	72
		35	6.25	0.64	20.1	14.0	12.6	35	81	76	72
		40	5.47	0.56	23.0	16.0	14.4	40	89	84	80
		45	4.86	0.50	24.3	18.0	16.2	45	97	92	87
		50	4.38	0.45	27.0	20.0	18.0	50	105	99	94
8	4	10	24.52	2.50	5.4	4.0	3.6	BLU 8-10	64	60	56
		15	16.38	1.67	8.1	6.0	5.4	15	60	56	52
		20	12.26	1.25	10.8	8.0	7.2	20	68	63	59
		25	9.81	1.00	13.5	10.0	9.0	25	68	63	59
		30	8.14	0.83	16.2	12.0	10.8	30	72	67	63
		35	6.96	0.71	18.9	14.0	12.6	35	76	71	66
		40	6.18	0.63	21.6	16.0	14.4	40	84	78	73
		45	5.49	0.56	24.3	18.0	16.2	45	92	86	80
		50	4.90	0.50	27.0	20.0	18.0	50	100	93	87
		55	4.51	0.46	29.7	22.0	19.8	55	108	101	94
		60	4.12	0.42	32.4	24.0	21.6	60	116	108	101
		65	3.73	0.38	37.3	26.0	23.4	65	124	116	108
		70	3.53	0.36	40.2	28.0	25.2	70	132	123	115
		75	3.24	0.33	43.1	30.0	27.0	75	140	131	122
9	4.5	10	29.00	2.96	5.4	4.0	3.6	BLU 9-10	66	62	59
		15	19.33	1.97	8.1	6.0	5.4	15	62	58	55
		20	14.50	1.48	10.8	8.0	7.2	20	68	64	61
		25	11.60	1.18	13.5	10.0	9.0	25	68	64	61
		30	9.67	0.99	16.2	12.0	10.8	30	70	66	63
		35	8.29	0.85	18.9	14.0	12.6	35	73	69	65
		40	7.25	0.74	21.6	16.0	14.4	40	80	76	72
		45	6.44	0.66	24.3	18.0	16.2	45	87	82	78
		50	5.80	0.59	27.0	20.0	18.0	50	95	90	85
		55	5.27	0.54	29.7	22.0	19.8	55	103	97	92
		60	4.83	0.49	32.4	24.0	21.6	60	111	105	99
		65	4.46	0.45	35.1	26.0	23.4	65	119	113	107
		70	4.14	0.42	37.8	28.0	25.2	70	124	117	111
		75	3.87	0.39	40.5	30.0	27.0	75	135	128	121
10	5	80	3.63	0.37	43.2	32.0	28.8	80	144	136	129
		10	34.32	3.50	5.4	4.0	3.6	BLU 10-10	68	63	59
		15	22.85	2.33	8.1	6.0	5.4	15	64	60	56
		20	17.75	1.81	10.8	8.0	7.2	20	68	63	59
		25	14.22	1.45	13.5	10.0	9.0	25	68	63	59
		30	11.87	1.21	16.2	12.0	10.8	30	68	63	59
		35	10.10	1.03	18.9	14.0	12.6	35	68	63	59
		40	8.83	0.90	21.6	16.0	14.4	40	72	67	63
		45	7.85	0.80	24.3	18.0	16.2	45	76	71	66
		50	7.16	0.73	27.0	20.0	18.0	50	84	78	73
		55	6.47	0.66	29.7	22.0	19.8	55	92	86	80
		60	5.88	0.60	32.4	24.0	21.6	60	100	93	87
		65	5.39	0.55	35.1	26.0	23.4	65	108	101	94
		70	5.00	0.51	37.8	28.0	25.2	70	108	101	94
		75	4.71	0.48	40.5	30.0	27.0	75	124	116	108
11	5.5	80	4.41	0.45	43.2	32.0	28.8	80	136	127	119
		90	3.92	0.40	48.6	36.0	32.4	90	152	142	133
		10	34.32	3.50	5.4	4.0	3.6	BLU 11-10	68	63	59
		15	22.85	2.33	8.1	6.0	5.4	15	64	60	56
		20	17.75	1.81	10.8	8.0	7.2	20	68	63	59
		25	14.22	1.45	13.5	10.0	9.0	25	68	63	59
		30	11.87	1.21	16.2	12.0	10.8	30	68	63	59
		35	10.10	1.03	18.9	14.0	12.6	35	68	63	59
		40	8.83	0.90	21.6	16.0	14.4	40	72	67	63
		45	7.85	0.80	24.3	18.0	16.2	45	76	71	66
		50	7.16	0.73	27.0	20.0	18.0	50	84	78	73
		55	6.47	0.66	29.7	22.0	19.8	55	92	86	80
		60	5.88	0.60	32.4	24.0	21.6	60	100	93	87
		65	5.39	0.55	35.1	26.0	23.4	65	108	101	94
		70	5.00	0.51	37.8	28.0	25.2	70	108	101	94

外径 mm	内径 mm	線径 mm	バネ定数		30万回		50万回		100万回		Code No.	単価(円)			
			N/mm	kg/mm	たわみ mm	荷重 N(kgf)	たわみ mm	荷重 N(kgf)	たわみ mm	荷重 N(kgf)		1個~	50個~	200個~	
11	5.5	15	28.00	2.86	8.1	6.0	168.0 (17.1)	5.4	151.2 (15.4)	4.8	BLU 11-15	69	65	62	
		20	21.00	2.14	10.8	8.0		7.2		6.4		20	70	66	63
		25	16.80	1.71	13.5	10.0		9.0		8.0		25	73	69	65
		30	14.00	1.43	16.2	12.0		10.8		9.6		30	79	75	71
		35	12.00	1.22	18.9	14.0		12.6		11.2		35	79	75	71
		40	10.50	1.07	21.6	16.0		14.4		12.8		40	86	81	77
		45	9.33	0.95	24.3	18.0		16.2		14.4		45	92	87	82
		50	8.40	0.86	27.0	20.0		18.0		16.0		50	100	95	90
		55	7.64	0.78	29.7	22.0		19.8		17.6		55	108	102	97
		60	7.00	0.71	32.4	24.0		21.6		19.2		60	116	110	104
		65	6.46	0.66	35.1	26.0		23.4		20.8		65	122	115	109
		70	6.00	0.61	37.8	28.0		25.2		22.4		70	127	120	114
12	6	75	5.60	0.57	40.5	30.0	27.0	24.0	75	138	131	124			
		80	5.25	0.54	43.2	32.0	28.8	25.6	80	147	139	132			
		90	4.67	0.48	48.6	36.0	32.4	28.8	90	163	154	146			
		15	34.32	3.50	8.1	6.0	5.4	4.8	BLU 12-15	72	67	63			
		20	25.79	2.63	10.8	8.0	7.2	6.4		20	72	67	63		
		25	20.59	2.10	13.5	10.0	9.0	8.0		25	76	71	66		
		30	17.16	1.75	16.2	12.0	10.8	9.6		30	84	78	73		
		35	14.71	1.50	18.9	14.0	12.6	11.2		35	84	78	73		
		40	12.94	1.32	21.6	16.0	14.4	12.8		40	92	86	80		
		45	11.47	1.17	24.3	18.0	16.2	14.4		45	100	93	87		
		50	10.30	1.05	27.0	20.0	18.0	16.0		50	108	101	94		
		55	9.41	0.96	29.7	22.0	19.8	17.6		55	116	108	101		
60	8.63	0.88	32.4	24.0	21.6	19.2	60	124		116	108				
65	7.94	0.81	35.1	26.0	23.4	20.8	65	128		120	112				
70	7.35	0.75	37.8	28.0	25.2	22.4	70	136		127	119				
13	6.5	75	6.86	0.70	40.5	30.0	27.0	24.0	75	144	135	126			
		80	6.47	0.66	43.2	32.0	28.8	25.6	80	152	142	133			
		90	5.69	0.58	48.6	36.0	32.4	28.8	90	168	157	147			
		20	29.71	3.03	10.8	8.0	7.2	6.4	BLU 13-20	91	86	81			
		25	23.77	2.42	13.5	10.0	9.0	8.0		25	92	87	82		
		30	19.81	2.02	16.2	12.0	10.8	9.6		30	100	95	90		
		35	16.98	1.73	18.9	14.0	12.6	11.2		35	106	100	95		
		40	14.86	1.52	21.6	16.0	14.4	12.8		40	114	108	102		
		45	13.21	1.35	24.3	18.0	16.2	14.4		45	119	113	107		
		50	11.89	1.21	27.0	20.0	18.0	16.0		50	127	120	114		
		55	10.80	1.10	29.7	22.0	19.8	17.6		55	135	128	121		
		60	9.90	1.01	32.4	24.0	21.6	19.2		60	140	133	126		
65	9.14	0.93	35.1	26.0	23.4	20.8	65	144		136	129				
70	8.49	0.87	37.8	28.0	25.2	22.4	70	147		139	132				
75	7.92	0.81	40.5	30.0	27.0	24.0	75	155		147	139				
14	7	80	7.43	0.76	43.2	32.0	28.8	25.6	80	163	154	146			
		90	6.60	0.67	48.6	36.0	32.4	28.8	90	179	170	161			
		20	34.32	3.50	10.8	8.0	7.2	6.4	BLU 14-20	100	93	87			
		25	27.46	2.80	13.5	10.0	9.0	8.0		25	100	93	87		
		30	22.95	2.34	16.2	12.0	10.8	9.6		30	108	101	94		
		35	19.61	2.00	18.9	14.0	12.6	11.2		35	116	108	101		
		40	17.16	1.75	21.6	16.0	14.4	12.8		40	124	116	108		
		45	15.30	1.56	24.3	18.0	16.2	14.4		45	128	120	112		
		50	13.73	1.40	27.0	20.0	18.0	16.0		50	136	127	119		
		55	12.45	1.27	29.7	22.0	19.8	17.6		55	144	135	126		
		60	11.47	1.17	32.4	24.0	21.6	19.2		60	148	138	129		
		65	10.59	1.08	35.1	26.0	23.4	20.8		65	152	142	133		
70	9.81	1.00	37.8	28.0	25.2	22.4	70	152		142	133				
75	9.12	0.93	40.5	30.0	27.0	24.0	75	160		150	140				
80	8.53	0.87	43.2	32.0	28.8	25.6	80	168	157	147					
90	7.55	0.77	48.6	36.0	32.4	28.8	90	184	172	161					
100	6.86	0.70	54.0	40.0	36.0	32.0	100	200	187	175					

外径 mm	内径 mm	自由長 mm	バネ定数		30万回		50万回		100万回		Code No.	単価(円)			
			N/mm	kgf/mm(約)	たわみ mm	荷重 N(kgf)	たわみ mm	荷重 N(kgf)	たわみ mm	荷重 N(kgf)		1個~50個~200個~			
15	7.5	20	38.38	3.91	10.8	8.0	7.2	6.4	307.0 (31.3)	276.3 (28.2)	245.6 (25)	BLU 15-20	105	99	94
		25	30.70	3.13	13.5	10.0	9.0	8.0				25	105	99	94
		30	25.58	2.61	16.2	12.0	10.8	9.6				30	113	107	101
		35	21.93	2.24	18.9	14.0	12.6	11.2				35	121	114	108
		40	19.19	1.96	21.6	16.0	14.4	12.8				40	126	119	113
		45	17.06	1.74	24.3	18.0	16.2	14.4				45	133	126	119
		50	15.35	1.57	27.0	20.0	18.0	16.0				50	141	133	126
		55	13.95	1.42	29.7	22.0	19.8	17.6				55	149	141	134
		60	12.79	1.30	32.4	24.0	21.6	19.2				60	156	148	140
		65	11.81	1.20	35.1	26.0	23.4	20.8				65	163	154	146
		70	10.96	1.12	37.8	28.0	25.2	22.4				70	168	159	151
		75	10.23	1.04	40.5	30.0	27.0	24.0				75	176	167	158
16	8	80	9.59	0.98	43.2	32.0	28.8	25.6	343.2 (35)	313.8 (32)	274.6 (28)	80	190	180	171
		90	8.53	0.87	48.6	36.0	32.4	28.8				90	206	195	185
		100	7.68	0.78	54.0	40.0	36.0	32.0				100	222	210	199
		20	42.95	4.38	10.8	8.0	7.2	6.4				BLU 16-20	108	101	94
		25	34.32	3.50	13.5	10.0	9.0	8.0				25	108	101	94
		30	28.64	2.92	16.2	12.0	10.8	9.6				30	116	108	101
		35	24.52	2.50	18.9	14.0	12.6	11.2				35	124	116	108
		40	21.48	2.19	21.6	16.0	14.4	12.8				40	128	120	112
		45	19.12	1.95	24.3	18.0	16.2	14.4				45	136	127	119
		50	17.16	1.75	27.0	20.0	18.0	16.0				50	144	135	126
		55	15.69	1.60	29.7	22.0	19.8	17.6				55	152	142	133
		60	14.32	1.46	32.4	24.0	21.6	19.2				60	160	150	140
18	9	65	13.24	1.35	35.1	26.0	23.4	20.8	421.7 (43)	382.5 (39)	333.4 (34)	65	168	157	147
		70	12.26	1.25	37.8	28.0	25.2	22.4				70	176	165	154
		75	11.47	1.17	40.5	30.0	27.0	24.0				75	184	172	161
		80	10.79	1.10	43.2	32.0	28.8	25.6				80	200	187	175
		90	9.61	0.98	48.6	36.0	32.4	28.8				90	216	202	189
		100	8.63	0.88	54.0	40.0	36.0	32.0				100	232	217	203
		125	6.86	0.70	67.5	50.0	45.0	40.0				125	256	240	224
		20	52.76	5.38	10.8	8.0	7.2	6.4				BLU 18-20	108	101	94
		25	42.17	4.30	13.5	10.0	9.0	8.0				25	108	101	94
		30	35.11	3.58	16.2	12.0	10.8	9.6				30	116	108	101
		35	30.11	3.07	18.9	14.0	12.6	11.2				35	124	116	108
		20	10	40	26.38	2.69	21.6	16.0				14.4	12.8	529.6 (54)	470.7 (48)
45	23.44			2.39	24.3	18.0	16.2	14.4	45	136	127	119			
50	21.08			2.15	27.0	20.0	18.0	16.0	50	148	138	129			
55	19.22			1.96	29.7	22.0	19.8	17.6	55	152	142	133			
60	17.55			1.79	32.4	24.0	21.6	19.2	60	160	150	140			
65	16.28			1.66	35.1	26.0	23.4	20.8	65	168	157	147			
70	15.10			1.54	37.8	28.0	25.2	22.4	70	176	165	154			
75	14.12			1.44	40.5	30.0	27.0	24.0	75	184	172	161			
80	13.24			1.35	43.2	32.0	28.8	25.6	80	200	187	175			
90	11.77			1.20	48.6	36.0	32.4	28.8	90	220	206	192			
100	10.49			1.07	54.0	40.0	36.0	32.0	100	240	225	210			
125	8.43			0.86	67.5	50.0	45.0	40.0	125	264	247	231			
20	10	20	66.19	6.75	10.8	8.0	7.2	6.4	529.6 (54)	470.7 (48)	421.7 (43)	BLU 20-20	118	111	104
		25	52.96	5.40	13.5	10.0	9.0	8.0				25	118	111	104
		30	44.13	4.50	16.2	12.0	10.8	9.6				30	127	119	111
		35	37.85	3.86	18.9	14.0	12.6	11.2				35	131	123	115
		40	33.15	3.38	21.6	16.0	14.4	12.8				40	139	130	122
		45	29.42	3.00	24.3	18.0	16.2	14.4				45	151	142	133
		50	26.48	2.70	27.0	20.0	18.0	16.0				50	155	146	136
		55	24.03	2.45	29.7	22.0	19.8	17.6				55	164	154	144
		60	22.06	2.25	32.4	24.0	21.6	19.2				60	172	161	151
		65	20.40	2.08	35.1	26.0	23.4	20.8				65	180	169	158
		70	18.93	1.93	37.8	28.0	25.2	22.4				70	188	177	165
		75	17.65	1.80	40.5	30.0	27.0	24.0				75	196	184	172
20	10	80	16.57	1.69	43.2	32.0	28.8	25.6	529.6 (54)	470.7 (48)	421.7 (43)	80	205	192	180
		90	14.71	1.50	48.6	36.0	32.4	28.8				90	225	211	198
		100	13.24	1.35	54.0	40.0	36.0	32.0				100	237	223	208
		125	10.59	1.08	67.5	50.0	45.0	40.0				125	262	246	230
150	8.83	0.90	81.0	60.0	54.0	48.0	150	278	261	240					

外径 mm	内径 mm	線径 mm	バネ定数		30万回		50万回		100万回		Code No.	単価(円)			
			N/mm	kgf/mm (約)	たわみ mm	荷重 N(kgf)	たわみ mm	荷重 N(kgf)	たわみ mm	荷重 N(kgf)		1個~50個~200個~			
22	11	25	65.70	6.70	13.5	10.0	9.0	8.0	657.0 (67)	588.4 (60)	529.6 (54)	BLU 22-25	118	111	104
		30	54.92	5.60	16.2	12.0	10.8	9.6				30	127	119	111
		35	47.07	4.80	18.9	14.0	12.6	11.2				35	131	123	115
		40	41.19	4.20	21.6	16.0	14.4	12.8				40	147	138	129
		45	36.48	3.72	24.3	18.0	16.2	14.4				45	151	142	133
		50	32.85	3.35	27.0	20.0	18.0	16.0				50	155	146	136
		55	29.91	3.05	29.7	22.0	19.8	17.6				55	164	154	144
		60	27.46	2.80	32.4	24.0	21.6	19.2				60	172	161	151
		65	25.30	2.58	35.1	26.0	23.4	20.8				65	188	177	165
		70	23.54	2.40	37.8	28.0	25.2	22.4				70	188	177	165
		75	21.87	2.23	40.5	30.0	27.0	24.0				75	205	192	180
		80	20.59	2.10	43.2	32.0	28.8	25.6				80	213	200	187
		90	18.24	1.86	48.6	36.0	32.4	28.8				90	225	211	198
		100	16.48	1.68	54.0	40.0	36.0	32.0				100	246	231	216
		125	13.14	1.34	67.5	50.0	45.0	40.0				125	270	254	237
150	10.98	1.12	81.0	60.0	54.0	48.0	150	311	292	273					
25	12.5	25	82.38	8.40	13.5	10.0	9.0	8.0	823.8 (84)	735.5 (75)	657.0 (67)	BLU 25-25	131	124	116
		30	68.65	7.00	16.2	12.0	10.8	9.6				30	136	128	120
		35	58.84	6.00	18.9	14.0	12.6	11.2				35	144	136	127
		40	51.48	5.25	21.6	16.0	14.4	12.8				40	153	144	135
		45	45.80	4.67	24.3	18.0	16.2	14.4				45	161	152	142
		50	41.19	4.20	27.0	20.0	18.0	16.0				50	161	152	142
		55	37.46	3.82	29.7	22.0	19.8	17.6				55	178	168	157
		60	34.32	3.50	32.4	24.0	21.6	19.2				60	187	176	165
		65	31.68	3.23	35.1	26.0	23.4	20.8				65	195	184	172
		70	29.42	3.00	37.8	28.0	25.2	22.4				70	204	192	180
		75	27.46	2.80	40.5	30.0	27.0	24.0				75	212	200	187
		80	25.79	2.63	43.2	32.0	28.8	25.6				80	221	208	195
		90	22.85	2.33	48.6	36.0	32.4	28.8				90	242	228	213
		100	20.59	2.10	54.0	40.0	36.0	32.0				100	263	248	232
		125	16.48	1.68	67.5	50.0	45.0	40.0				125	297	280	262
150	13.73	1.40	81.0	60.0	54.0	48.0	150	331	312	292					
175	11.77	1.20	94.5	70.0	63.0	56.0	175	365	344	322					
200	10.30	1.05	108.0	80.0	72.0	64.0	200	395	372	348					
27	13.5	25	98.07	10.00	13.5	10.0	9.0	8.0	980.7 (100)	882.6 (90)	784.5 (80)	BLU 27-25	131	124	116
		30	81.69	8.33	16.2	12.0	10.8	9.6				30	136	128	120
		35	70.02	7.14	18.9	14.0	12.6	11.2				35	153	144	135
		40	61.29	6.25	21.6	16.0	14.4	12.8				40	157	148	138
		45	54.52	5.56	24.3	18.0	16.2	14.4				45	161	152	142
		50	49.03	5.00	27.0	20.0	18.0	16.0				50	178	168	157
		55	44.62	4.55	29.7	22.0	19.8	17.6				55	187	176	165
		60	40.89	4.17	32.4	24.0	21.6	19.2				60	195	184	172
		65	37.76	3.85	35.1	26.0	23.4	20.8				65	212	200	187
		70	35.01	3.57	37.8	28.0	25.2	22.4				70	221	208	195
		75	32.66	3.33	40.5	30.0	27.0	24.0				75	233	220	206
		80	30.69	3.13	43.2	32.0	28.8	25.6				80	233	220	206
		90	27.26	2.78	48.6	36.0	32.4	28.8				90	255	240	225
		100	24.52	2.50	54.0	40.0	36.0	32.0				100	280	264	247
		125	19.61	2.00	67.5	50.0	45.0	40.0				125	318	300	281
150	16.38	1.67	81.0	60.0	54.0	48.0	150	365	344	322					
175	14.02	1.43	94.5	70.0	63.0	56.0	175	408	384	360					
200	12.26	1.25	108.0	80.0	72.0	64.0	200	450	424	397					
30	15	25	118.76	12.11	13.5	10.0	9.0	8.0	1186.6 (121)	1068.9 (109)	951.2 (97)	BLU 30-25	131	124	116
		30	98.85	10.08	16.2	12.0	10.8	9.6				30	144	136	127
		35	84.83	8.65	18.9	14.0	12.6	11.2				35	157	148	138
		40	74.14	7.56	21.6	16.0	14.4	12.8				40	161	152	142
		45	66.00	6.73	24.3	18.0	16.2	14.4				45	178	168	157
		50	59.33	6.05	27.0	20.0	18.0	16.0				50	187	176	165
		55	53.94	5.50	29.7	22.0	19.8	17.6				55	204	192	180
		60	49.43	5.04	32.4	24.0	21.6	19.2				60	212	200	187
		65	45.60	4.65	35.1	26.0	23.4	20.8				65	229	216	202
		70	42.36	4.32	37.8	28.0	25.2	22.4				70	233	220	206
		75	39.52	4.03	40.5	30.0	27.0	24.0				75	246	232	217
		80	37.07	3.78	43.2	32.0	28.8	25.6				80	263	248	232
		90	32.95	3.36	48.6	36.0	32.4	28.8				90	280	264	247
		100	29.62	3.02	54.0	40.0	36.0	32.0				100	306	288	270
		125	23.73	2.42	67.5	50.0	45.0	40.0				125	365	344	322
150	19.71	2.01	81.0	60.0	54.0	48.0	150	425	400	375					
175	16.87	1.72	94.5	70.0	63.0	56.0	175	493	464	435					
200	14.81	1.51	108.0	80.0	72.0	64.0	200	565	532	498					

BLU/DSL 軽荷重 Light load Spring

材質:SWOSC-V相当

RoHS適合

外径 mm	内径 mm	線径 mm	バネ定数		30万回		50万回		100万回		Code No.	単価(円)		
			N/mm	kgf/mm	たわみ mm	荷重 N(kgf)	たわみ mm	荷重 N(kgf)	たわみ mm	荷重 N(kgf)		1個	50個	200個
35	17.5	40	101.11	10.31	21.6	16.0	14.4	12.8	14.4	12.8	BLU 35-40	195	184	172
		45	89.93	9.17	24.3	18.0	16.2	14.4	14.4	12.8	45	212	200	187
		50	80.90	8.25	27.0	20.0	18.0	16.0	16.0	14.4	50	233	220	206
		55	73.55	7.50	29.7	22.0	19.8	17.6	17.6	16.0	55	246	232	217
		60	67.37	6.87	32.4	24.0	21.6	19.2	19.2	17.6	60	263	248	232
		65	62.27	6.35	35.1	26.0	23.4	20.8	20.8	19.2	65	280	264	247
		70	57.76	5.89	37.8	28.0	25.2	22.4	22.4	20.8	70	297	280	262
		75	53.94	5.50	40.5	30.0	27.0	24.0	24.0	22.4	75	310	292	273
		80	50.50	5.15	43.2	32.0	28.8	25.6	25.6	24.0	80	323	304	285
		90	44.91	4.58	48.6	36.0	32.4	28.8	28.8	27.0	90	365	344	322
		100	40.40	4.12	54.0	40.0	36.0	32.0	32.0	30.0	100	395	372	348
		125	32.36	3.30	67.5	50.0	45.0	40.0	40.0	38.0	125	480	452	423
		150	26.97	2.75	81.0	60.0	54.0	48.0	48.0	46.0	150	565	532	498
		175	23.05	2.35	94.5	70.0	63.0	56.0	56.0	54.0	175	646	608	570
		200	20.20	2.06	108.0	80.0	72.0	64.0	64.0	62.0	200	731	688	645
40	20	40	132.39	13.50	21.6	16.0	14.4	12.8	14.4	12.8	BLU 40-40	279	263	248
		45	117.68	12.00	24.3	18.0	16.2	14.4	14.4	12.8	45	288	272	256
		50	105.91	10.80	27.0	20.0	18.0	16.0	16.0	14.4	50	297	280	264
		55	96.30	9.82	29.7	22.0	19.8	17.6	17.6	16.0	55	324	306	288
		60	88.26	9.00	32.4	24.0	21.6	19.2	19.2	17.6	60	342	323	304
		65	81.49	8.31	35.1	26.0	23.4	20.8	20.8	19.2	65	373	352	332
		70	75.61	7.71	37.8	28.0	25.2	22.4	22.4	20.8	70	396	374	352
		75	70.61	7.20	40.5	30.0	27.0	24.0	24.0	22.4	75	427	403	380
		80	66.19	6.75	43.2	32.0	28.8	25.6	25.6	24.0	80	450	425	400
		90	58.84	6.00	48.6	36.0	32.4	28.8	28.8	27.0	90	490	463	436
		100	52.96	5.40	54.0	40.0	36.0	32.0	32.0	30.0	100	540	510	480
		125	42.36	4.32	67.5	50.0	45.0	40.0	40.0	38.0	125	652	616	580
		150	35.30	3.60	81.0	60.0	54.0	48.0	48.0	46.0	150	760	718	676
		175	30.20	3.08	94.5	70.0	63.0	56.0	56.0	54.0	175	873	824	776
		200	26.48	2.70	108.0	80.0	72.0	64.0	64.0	62.0	200	985	930	876
50	25	225	23.54	2.40	122.0	90.0	81.0	72.0	72.0	70.0	225	1,102	1,041	980
		250	21.18	2.16	135.0	100.0	90.0	80.0	80.0	78.0	250	1,197	1,130	1,064
		275	19.22	1.96	149.0	110.0	99.0	88.0	88.0	86.0	275	1,417	1,338	1,260
		300	17.65	1.80	172.0	120.0	108.0	96.0	96.0	94.0	300	1,624	1,534	1,444
		50	165.63	16.89	27.0	20.0	18.0	16.0	16.0	14.4	BLU 50-50	499	471	444
		55	150.53	15.35	29.7	22.0	19.8	17.6	17.6	16.0	55	517	488	460
		60	138.08	14.08	32.4	24.0	21.6	19.2	19.2	17.6	60	531	501	472
		65	127.39	12.99	35.1	26.0	23.4	20.8	20.8	19.2	65	571	539	508
		70	118.37	12.07	37.8	28.0	25.2	22.4	22.4	20.8	70	603	569	536
		75	110.42	11.26	40.5	30.0	27.0	24.0	24.0	22.4	75	639	603	568
		80	103.56	10.56	43.2	32.0	28.8	25.6	25.6	24.0	80	670	633	596
		90	91.99	9.38	48.6	36.0	32.4	28.8	28.8	27.0	90	742	701	660
		100	82.87	8.45	54.0	40.0	36.0	32.0	32.0	30.0	100	810	765	720
		125	66.29	6.76	67.5	50.0	45.0	40.0	40.0	38.0	125	972	918	864
		150	55.21	5.63	81.0	60.0	54.0	48.0	48.0	46.0	150	1,134	1,071	1,008
60	30	175	47.27	4.82	94.5	70.0	63.0	56.0	56.0	54.0	175	1,287	1,215	1,144
		200	41.38	4.22	108.0	80.0	72.0	64.0	64.0	62.0	200	1,453	1,372	1,292
		225	36.77	3.75	122.0	90.0	81.0	72.0	72.0	70.0	225	1,624	1,534	1,444
		250	33.15	3.38	135.0	100.0	90.0	80.0	80.0	78.0	250	1,777	1,678	1,580
		275	30.11	3.07	149.0	110.0	99.0	88.0	88.0	86.0	275	1,939	1,831	1,724
		300	27.56	2.81	172.0	120.0	108.0	96.0	96.0	94.0	300	2,092	1,976	1,860
		350	23.63	2.41	200.9	140.0	126.0	112.0	112.0	110.0	350	2,520	2,380	2,240
		400	20.69	2.11	216.0	160.0	144.0	128.0	128.0	126.0	400	3,033	2,864	2,696
		450	18.44	1.88	243.0	180.0	162.0	144.0	144.0	142.0	450	3,645	3,442	3,240
		500	16.57	1.69	270.0	200.0	180.0	160.0	160.0	158.0	500	4,374	4,131	3,888
		60	198.58	20.25	32.4	24.0	21.6	19.2	19.2	17.6	BLU 60-60	886	837	788
		70	170.14	17.35	37.8	28.0	25.2	22.4	22.4	20.8	70	922	871	820
		80	148.86	15.18	43.2	32.0	28.8	25.6	25.6	24.0	80	963	909	856
		90	132.39	13.50	48.6	36.0	32.4	28.8	28.8	27.0	90	1,012	956	900
		100	119.15	12.15	54.0	40.0	36.0	32.0	32.0	30.0	100	1,084	1,024	964
60	30	125	95.32	9.72	67.5	50.0	45.0	40.0	40.0	38.0	125	1,309	1,236	1,164
		150	79.43	8.10	81.0	60.0	54.0	48.0	48.0	46.0	150	1,534	1,449	1,364
		175	68.06	6.94	94.5	70.0	63.0	56.0	56.0	54.0	175	1,759	1,661	1,564
		200	59.53	6.07	108.0	80.0	72.0	64.0	64.0	62.0	200	1,984	1,874	1,764
		225	52.96	5.40	122.0	90.0	81.0	72.0	72.0	70.0	225	2,169	2,048	1,928
		250	47.66	4.86	135.0	100.0	90.0	80.0	80.0	78.0	250	2,425	2,290	2,156
		275	43.35	4.42	149.0	110.0	99.0	88.0	88.0	86.0	275	2,538	2,397	2,256
		300	39.72	4.05	172.0	120.0	108.0	96.0	96.0	94.0	300	2,871	2,711	2,552
		350	34.03	3.47	200.9	140.0	126.0	112.0	112.0	110.0	350	3,420	3,230	3,040
		400	29.81	3.04	216.0	160.0	144.0	128.0	128.0	126.0	400	4,068	3,842	3,616
		450	26.48	2.70	243.0	180.0	162.0	144.0	144.0	142.0	450	4,833	4,564	4,296
		500	23.83	2.43	270.0	200.0	180.0	160.0	160.0	158.0	500	5,733	5,414	5,096

外径 mm	内径 mm	線径 mm	バネ定数		30万回		50万回		100万回		Code No.	単価(円)		
			N/mm	kgf/mm	たわみ mm	荷重 N(kgf)	たわみ mm	荷重 N(kgf)	たわみ mm	荷重 N(kgf)		1個	50個	200個
70	38.5	70	213.78	21.80	40.2	28.0	25.2		22.4		BLU 70-70	1,485	1,443	1,402
		80	186.33	19.00	45.9	32.0	28.8		25.6		80	1,534	1,491	1,449
		90	165.73	16.90	51.7	36.0	32.4		28.8		90	1,579	1,535	1,491
		100	149.06	15.20	57.4	40.0	36.0		32.0		100	1,750	1,701	1,653
		125	119.64	12.20	71.8	50.0	45.0		40.0		125	2,007	1,951	1,895
		150	100.03	10.20	86.1	60.0	54.0	5380 (549)	48.0	4762 (488)	150	2,308	2,244	2,180
		175	85.42	8.71	100.5	70.0	63.0		56.0		175	2,650	2,576	2,503
		200	74.73	7.62	114.8	80.0	72.0		64.0		200	3,118	3,031	2,945
		250	59.82	6.10	143.5	100.0	90.0		80.0		250	3,762	3,657	3,553
		300	49.82	5.08	172.2	120.0	108.0		96.0		300	4,486	4,361	4,237
350	42.66	4.35	200.9	140.0	126.0		112.0		350	5,130	4,987	4,845		