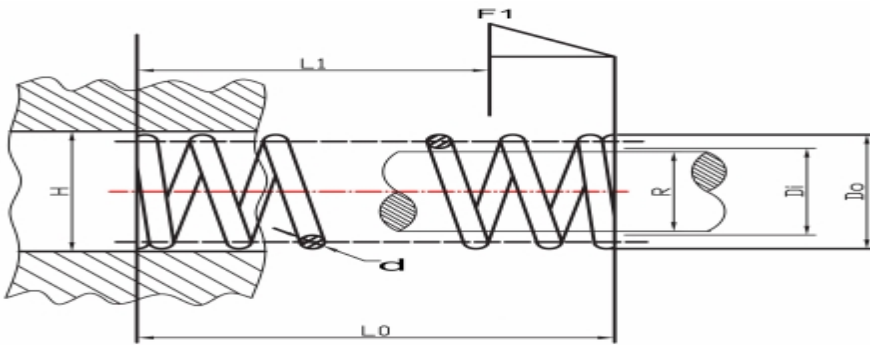


Compression spring H series



Technical conditions

1. Material

SWPB JIS G 3522
Stainless steel JIS G 4314

2. Rotation: Right-handed

3. End face form:

$d < 1.0\text{mm}$, the end is closed without grinding
 $d \geq 1.0\text{mm}$, the end is closed and ground flat

4. Surface treatment:

SWPB anti-rust oil
Stainless steel -

5. Tolerance: GB1239 standard

Number resolution

H M 250 1250 F

① ② ③ ④ ⑤

① H: For holes R: For rods

② M: SWPB S: SUS304

③ 250: 25mm, aperture or rod diameter size

④ 1250: free length 125mm

⑤ F: load class F: lighter L: light M: medium H: heavy
B: overweight

Bore Dia. (mm)	Outer Dia. (mm)	Free length (mm)	Wire Dia. (mm)	Inner Dia. (mm)	spring rate (mm)	Solid height
H	Do	Lo	d	Di	N/mm	Ls
2	1.80	4	0.15	1.5	0.279	1.05
			0.18	1.44	0.612	1.26
			0.2	1.4	0.968	1.4
			0.25	1.3	2.599	1.75
			0.3	1.2	5.948	2.1
		6	0.15	1.5	0.14	1.65
			0.18	1.44	0.306	1.98
			0.2	1.4	0.484	2.2
			0.25	1.3	1.3	2.75
			0.3	1.2	2.974	3.3
		8	0.15	1.5	0.102	2.1
			0.18	1.44	0.223	2.52
			0.2	1.4	0.352	2.8
			0.25	1.3	0.945	3.5
			0.3	1.2	2.163	4.2
		10	0.15	1.5	0.08	2.55
			0.18	1.44	0.175	3.06
			0.2	1.4	0.277	3.4
			0.25	1.3	0.743	4.25
			0.3	1.2	1.699	5.1
		12	0.15	1.5	0.066	3
			0.18	1.44	0.144	3.6
			0.2	1.4	0.228	4
			0.25	1.3	0.612	5
0.3	1.2		1.399	6		

Bore Dia. (mm)	Outer Dia. (mm)	Free length (mm)	Wire Dia. (mm)	Inner Dia. (mm)	spring rate (mm)	Solid height
H	Do	Lo	d	Di	N/mm	LS
2.5	2.30	5	0.18	1.94	0.218	1.44
			0.2	1.9	0.343	1.6
			0.25	1.8	0.899	2
			0.3	1.7	2.007	2.4
			0.4	1.5	7.399	3.2
		7.5	0.18	1.94	0.137	1.98
			0.2	1.9	0.214	2.2
			0.25	1.8	0.562	2.75
			0.3	1.7	1.2	3.3
			0.4	1.5	4.625	4.4
		10	0.18	1.94	0.099	2.52
			0.2	1.9	0.156	2.8
			0.25	1.8	0.409	3.5
			0.3	1.7	0.912	4.2
			0.4	1.5	3.363	5.6
		12.5	0.18	1.94	0.078	3.06
			0.2	1.9	0.122	3.4
			0.25	1.8	0.321	4.25
			0.3	1.7	0.717	5.1
			0.4	1.5	2.643	6.8
15	0.18	1.94	0.064	3.6		
	0.2	1.9	0.101	4		
	0.25	1.8	0.264	5		
	0.3	1.7	0.59	6		
	0.4	1.5	2.176	8		
3	2.80	6	0.22	2.36	0.27	1.76
			0.25	2.3	0.467	2
			0.3	2.2	1.028	2.4
			0.4	2	3.671	3.2
			0.45	1.9	6.264	3.6
		9	0.22	2.36	0.169	2.42
			0.25	2.3	0.292	2.75
			0.3	2.2	0.642	3.3
			0.4	2	2.0295	4.4
			0.45	1.9	3.915	4.95
		12	0.22	2.36	0.123	3.08
			0.25	2.3	0.212	3.5
			0.3	2.2	0.467	4.2
			0.4	2	1.669	5.6
			0.45	1.9	2.847	6.3
		15	0.22	2.36	0.097	3.74
			0.25	2.3	0.167	4.25
			0.3	2.2	0.367	5.1
			0.4	2	1.311	6.8
			0.45	1.9	2.237	7.65
18	0.22	2.36	0.08	4.4		
	0.25	2.3	0.137	5		
	0.3	2.2	0.302	6		
	0.4	2	1.08	8		
	0.45	1.9	1.842	9		

Bore Dia. (mm)	Outer Dia. (mm)	Free length (mm)	Wire Dia. (mm)	Inner Dia. (mm)	spring rate (mm)	Solid height
H	Do	Lo	d	Di	N/mm	LS
3.5	3.30	7	0.25	2.8	0.273	2
			0.3	2.7	0.595	2.4
			0.35	2.6	1.159	2.8
			0.45	2.4	3.512	3.6
		10.5	0.55	2.2	8.723	4.4
			0.25	2.8	0.171	2.75
			0.3	2.7	0.372	3.3
			0.35	2.6	0.724	3.85
		14	0.45	2.4	2.195	4.95
			0.55	2.2	5.452	6.05
			0.25	2.8	0.124	3.5
			0.3	2.7	0.27	4.2
		17.5	0.35	2.6	0.527	4.9
			0.45	2.4	1.596	6.3
			0.55	2.2	3.965	7.7
			0.25	2.8	0.097	4.25
		21	0.3	2.7	0.212	5.1
			0.35	2.6	0.414	5.95
			0.45	2.4	1.254	7.65
			0.55	2.2	3.115	9.35
4	3.80	8	0.25	2.8	0.08	5
			0.3	2.7	0.175	6
			0.35	2.6	0.341	7
			0.45	2.4	1.033	9
			0.55	2.2	2.566	11
		12	0.3	3.2	0.375	2.4
			0.35	3.1	0.724	2.8
			0.4	3	1.291	3.2
			0.55	2.7	5.285	4.4
			0.6	2.6	7.841	4.8
		16	0.3	3.2	0.234	3.3
			0.35	3.1	0.453	3.85
			0.4	3	0.807	4.4
			0.55	2.7	3.303	6.05
			0.6	2.6	4.901	6.6
		20	0.3	3.2	0.17	4.2
			0.35	3.1	0.329	4.9
			0.4	3	0.587	5.6
			0.55	2.7	2.402	7.7
			0.6	2.6	3.564	8.4
24	0.3	3.2	0.134	5.1		
	0.35	3.1	0.259	5.95		
	0.4	3	0.461	6.8		
	0.55	2.7	1.887	9.35		
	0.6	2.6	2.8	10.2		
			0.3	3.2	0.117	5.7
			0.35	3.1	0.226	6.65
			0.4	3	0.404	7.6
			0.55	2.7	1.651	10.45
			0.6	2.6	2.45	11.4

Bore Dia. (mm)	Outer Dia. (mm)	Free length (mm)	Wire Dia. (mm)	Inner Dia. (mm)	spring rate (mm)	Solid height
H	Do	Lo	d	Di	N/mm	LS
4.5	4.30	9	0.35	3.6	0.483	2.8
			0.4	3.5	0.856	3.2
			0.45	3.4	1.425	3.6
			0.6	3.1	5.072	4.8
			0.7	2.9	10.202	5.6
		13.5	0.35	3.6	0.302	3.85
			0.4	3.5	0.535	4.4
			0.45	3.4	0.89	4.95
			0.6	3.1	3.17	6.6
			0.7	2.9	6.376	7.7
		18	0.35	3.6	0.219	4.9
			0.4	3.5	0.389	5.6
			0.45	3.4	0.648	6.3
			0.6	3.1	2.306	8.4
			0.7	2.9	4.637	9.8
		22.5	0.35	3.6	0.172	5.95
			0.4	3.5	0.306	6.8
			0.45	3.4	0.509	7.65
			0.6	3.1	1.812	10.2
			0.7	2.9	3.644	11.9
27	0.35	3.6	0.151	6.65		
	0.4	3.5	0.267	7.6		
	0.45	3.4	0.445	8.55		
	0.6	3.1	1.585	11.4		
	0.7	2.9	3.188	13.3		
5	4.50	10	0.35	3.8	0.416	2.8
			0.4	3.7	0.736	3.2
			0.5	3.5	1.936	4
			0.6	3.3	4.331	4.8
			0.7	3.1	8.675	5.6
		15	0.35	3.8	0.26	3.85
			0.4	3.7	0.46	4.4
			0.5	3.5	1.21	5.5
			0.6	3.3	2.707	6.6
			0.7	3.1	5.422	7.7
		20	0.35	3.8	0.189	4.9
			0.4	3.7	0.335	5.6
			0.5	3.5	0.88	7
			0.6	3.3	1.969	8.4
			0.7	3.1	3.943	9.8
		25	0.35	3.8	0.149	5.95
			0.4	3.7	0.263	6.8
			0.5	3.5	0.691	8.5
			0.6	3.3	1.547	10.2
			0.7	3.1	3.098	11.9
30	0.35	3.8	0.122	7		
	0.4	3.7	0.217	8		
	0.5	3.5	0.569	10		
	0.6	3.3	1.274	12		
	0.7	3.1	2.551	14		

Bore Dia. (mm)	Outer Dia. (mm)	Free length (mm)	Wire Dia. (mm)	Inner Dia. (mm)	spring rate (mm)	Solid height		
H	Do	Lo	d	Di	N/mm	LS		
6	5.50	15	0.4	4.7	0.319	3.6		
			0.5	4.5	0.826	4.5		
			0.6	4.3	1.82	5.4		
			0.8	3.9	6.518	7.2		
			0.9	3.7	11.136	8.1		
		20	0.4	4.7	0.213	4.8		
			0.5	4.5	0.551	6		
			0.6	4.3	1.213	7.2		
			0.8	3.9	4.345	9.6		
			0.9	3.7	7.424	10.8		
		25	0.4	4.7	0.174	5.6		
			0.5	4.5	0.451	7		
			0.6	4.3	0.993	8.4		
			0.8	3.9	3.555	11.2		
			0.9	3.7	6.074	12.6		
		30	0.4	4.7	0.137	6.8		
			0.5	4.5	0.354	8.5		
			0.6	4.3	0.78	10.2		
			0.8	3.9	2.793	13.6		
			0.9	3.7	4.773	15.3		
		35	0.4	4.7	0.12	7.6		
			0.5	4.5	0.31	9.5		
			0.6	4.3	0.682	11.4		
			0.8	3.9	2.444	15.2		
			0.9	3.7	4.176	17.1		
		7	6.50	15	0.5	5.5	0.521	4.25
					0.6	5.3	1.137	5.1
					0.7	5.1	2.218	5.95
					0.9	4.7	6.733	7.65
					1	4.5	10.833	7.5
20	0.5			5.5	0.359	5.5		
	0.6			5.3	0.782	6.6		
	0.7			5.1	1.525	7.7		
	0.9			4.7	4.629	9.9		
	1			4.5	7.447	10		
30	0.5			5.5	0.261	7		
	0.6			5.3	0.569	8.4		
	0.7			5.1	1.109	9.8		
	0.9			4.7	3.367	12.6		
	1			4.5	5.416	13		
35	0.5			5.5	0.205	8.5		
	0.6			5.3	0.447	10.2		
	0.7			5.1	0.871	11.9		
	0.9			4.7	2.645	15.3		
	1			4.5	4.256	16		
40	0.5			5.5	0.179	9.5		
	0.6			5.3	0.391	11.4		
	0.7			5.1	0.762	13.3		
	0.9			4.7	2.315	17.1		
	1			4.5	3.724	18		

Bore Dia. (mm)	Outer Dia. (mm)	Free length (mm)	Wire Dia. (mm)	Inner Dia. (mm)	spring rate (mm)	Solid height
H	Do	Lo	d	Di	N/mm	LS
8	7.50	15	0.6	6.3	0.869	4.5
			0.7	6.1	1.682	5.25
			0.8	5.9	3	6
			1	5.5	8.021	6.5
			1.2	5.1	18.267	7.8
		20	0.6	6.3	0.602	5.7
			0.7	6.1	1.164	6.65
			0.8	5.9	2.077	7.6
			1	5.5	5.553	8.5
			1.2	5.1	12.647	10.2
		25	0.6	6.3	0.46	6.9
			0.7	6.1	0.89	8.05
			0.8	5.9	1.588	9.2
			1	5.5	4.246	10.05
			1.2	5.1	9.671	12.6
		30	0.6	6.3	0.391	7.8
			0.7	6.1	0.757	9.1
			0.8	5.9	1.35	10.4
			1	5.5	3.609	12
			1.2	5.1	8.22	14.4
40	0.6	6.3	0.279	10.2		
	0.7	6.1	0.541	11.9		
	0.8	5.9	0.964	13.6		
	1	5.5	2.578	16		
	1.2	5.1	5.872	19.2		
9	8.50	20	0.7	7.1	1.003	5.6
			0.8	6.9	1.779	6.4
			0.9	6.7	2.963	7.2
			1.2	6.1	10.567	8.4
			1.4	5.7	21.279	9.8
		25	0.7	7.1	0.716	7
			0.8	6.9	1.27	8
			0.9	6.7	2.116	9
			1.2	6.1	7.548	10.8
			1.4	5.7	15.199	12.6
		30	0.7	7.1	0.557	8.4
			0.8	6.9	0.988	9.6
			0.9	6.7	1.646	10.8
			1.2	6.1	5.871	13.2
			1.4	5.7	11.822	15.4
		40	0.7	7.1	0.418	10.5
			0.8	6.9	0.741	12
			0.9	6.7	1.235	13.5
			1.2	6.1	4.403	16.8
			1.4	5.7	8.866	19.6
50	0.7	7.1	0.334	12.6		
	0.8	6.9	0.593	14.4		
	0.9	6.7	0.988	16.2		
	1.2	6.1	3.522	20.4		
	1.4	5.7	7.093	23.8		

Bore Dia. (mm)	Outer Dia. (mm)	Free length (mm)	Wire Dia. (mm)	Inner Dia. (mm)	spring rate (mm)	Solid height
H	Do	Lo	d	Di	N/mm	LS
10	9.50	20	0.7	8.1	0.698	5.6
			0.9	7.7	2.045	7.2
			1.1	7.3	4.897	7.7
			1.3	6.9	10.269	9.1
			1.6	6.3	26.352	11.2
		25	0.7	8.1	0.537	6.65
			0.9	7.7	1.573	8.55
			1.1	7.3	3.767	9.35
			1.3	6.9	7.9	11.05
			1.6	6.3	20.271	13.6
		30	0.7	8.1	0.437	7.7
			0.9	7.7	1.278	9.9
			1.1	7.3	3.061	11
			1.3	6.9	6.418	13
			1.6	6.3	16.47	16
		40	0.7	8.1	0.317	9.8
			0.9	7.7	0.93	12.6
			1.1	7.3	2.226	14.3
			1.3	6.9	4.668	16.9
			1.6	6.3	11.978	20.8
50	0.7	8.1	0.249	11.9		
	0.9	7.7	0.73	15.3		
	1.1	7.3	1.749	17.6		
	1.3	6.9	3.668	20.8		
	1.6	6.3	9.411	25.6		
12	11.00	25	0.9	9.2	1.148	7.65
			1	9	1.802	7.5
			1.2	8.6	3.971	9
			1.6	7.8	14.221	12
			1.8	7.4	24.297	13.5
		30	0.9	9.2	0.902	9
			1	9	1.416	9
			1.2	8.6	3.12	10.8
			1.6	7.8	11.173	14.4
			1.8	7.4	19.09	16.2
		40	0.9	9.2	0.701	10.8
			1	9	1.101	11
			1.2	8.6	2.427	13.2
			1.6	7.8	8.69	17.6
			1.8	7.4	14.848	19.8
		50	0.9	9.2	0.526	13.5
			1	9	0.826	14
			1.2	8.6	1.82	16.8
			1.6	7.8	6.518	22.4
			1.8	7.4	11.136	25.2
60	0.9	9.2	0.451	15.3		
	1	9	0.708	16		
	1.2	8.6	1.56	19.2		
	1.6	7.8	5.587	25.6		
	1.8	7.4	9.545	28.8		

Bore Dia. (mm)	Outer Dia. (mm)	Free length (mm)	Wire Dia. (mm)	Inner Dia. (mm)	spring rate (mm)	Solid height (mm)
H	Do	Lo	d	Di	N/mm	LS
14	13.00	30	1	11	0.956	8
			1.2	10.6	2.085	9.6
			1.4	10.2	4.066	11.2
			1.8	9.4	12.344	14.4
			2	9	19.86	16
		40	1	11	0.717	10
			1.2	10.6	1.564	12
			1.4	10.2	3.05	14
			1.8	9.4	9.258	18
			2	9	14.895	20
		50	1	11	0.574	12
			1.2	10.6	1.251	14.4
			1.4	10.2	2.44	16.8
			1.8	9.4	7.407	21.6
			2	9	11.916	24
		60	1	11	0.478	14
			1.2	10.6	1.043	16.8
			1.4	10.2	2.033	19.6
			1.8	9.4	6.172	25.2
			2	9	9.93	28
75	1	11	0.382	17		
	1.2	10.6	0.834	20.4		
	1.4	10.2	1.626	23.8		
	1.8	9.4	4.938	30.6		
	2	9	7.944	34		
15	14.00	30	1.1	11.8	1.229	8.25
			1.3	11.4	2.513	9.75
			1.6	10.8	6.195	12
			2	10	16.688	15
			2.3	9.4	31.49	17.25
		40	1.1	11.8	0.901	10.45
			1.3	11.4	1.843	12.35
			1.6	10.8	4.543	15.2
			2	10	12.238	19
			2.3	9.4	23.093	21.85
		50	1.1	11.8	0.712	12.65
			1.3	11.4	1.455	14.95
			1.6	10.8	3.587	18.4
			2	10	9.661	23
			2.3	9.4	18.231	26.45
		60	1.1	11.8	0.588	14.85
			1.3	11.4	1.202	17.55
			1.6	10.8	2.963	21.6
			2	10	7.981	27
			2.3	9.4	15.06	31.05
75	1.1	11.8	0.466	18.15		
	1.3	11.4	0.953	21.45		
	1.6	10.8	2.35	26.4		
	2	10	6.33	33		
	2.3	9.4	11.945	37.95		

Bore Dia. (mm)	Outer Dia. (mm)	Free length (mm)	Wire Dia. (mm)	Inner Dia. (mm)	spring rate (mm)	Solid height (mm)
H	Do	Lo	d	Di	N/mm	LS
16	15.00	30	1.2	12.6	1.564	8.4
			1.4	12.2	3.028	9.8
			1.6	11.8	5.4	11.2
			2.2	10.6	22.145	15.4
			2.5	10	39.65	17.5
		40	1.2	12.6	1.117	10.8
			1.4	12.2	2.163	12.6
			1.6	11.8	3.857	14.4
			2.2	10.6	15.818	19.8
			2.5	10	28.321	22.5
		50	1.2	12.6	0.869	13.2
			1.4	12.2	1.682	15.4
			1.6	11.8	3	17.6
			2.2	10.6	12.303	24.2
			2.5	10	22.028	27.5
		60	1.2	12.6	0.711	15.6
			1.4	12.2	1.376	18.2
			1.6	11.8	2.454	20.8
			2.2	10.6	10.066	28.6
			2.5	10	18.023	32.5
80	1.2	12.6	0.559	19.2		
	1.4	12.2	1.081	22.4		
	1.6	11.8	1.929	25.6		
	2.2	10.6	7.909	35.2		
	2.5	10	14.161	40		
18	17.00	35	1.3	14.4	1.463	9.1
			1.5	14	2.695	10.5
			1.8	13.4	5.926	12.6
			2.4	12.2	21.135	16.8
			2.8	11.4	42.558	19.6
		45	1.3	14.4	1.045	11.7
			1.5	14	1.925	13.5
			1.8	13.4	4.233	16.2
			2.4	12.2	15.096	21.6
			2.8	11.4	30.399	25.2
		55	1.3	14.4	0.861	13.65
			1.5	14	1.585	15.75
			1.8	13.4	3.486	18.9
			2.4	12.2	12.432	25.2
			2.8	11.4	25.034	29.4
		70	1.3	14.4	0.665	16.9
			1.5	14	1.225	19.5
			1.8	13.4	2.694	23.4
			2.4	12.2	9.607	31.2
			2.8	11.4	19.345	36.4
90	1.3	14.4	0.523	20.8		
	1.5	14	0.963	24		
	1.8	13.4	2.116	28.8		
	2.4	12.2	7.548	38.4		
	2.8	11.4	15.199	44.8		

Bore Dia. (mm)	Outer Dia. (mm)	Free length (mm)	Wire Dia. (mm)	Inner Dia. (mm)	spring rate (mm)	Solid height (mm)
H	Do	Lo	d	Di	N/mm	Ls
20	19.00	40	1.5	16	1.873	10.5
			1.8	15.4	4.09	12.6
			2	15	6.456	14
			2.6	13.8	20.539	18.2
			3.2	12.6	52.704	22.4
		50	1.5	16	1.338	13.5
			1.8	15.4	2.921	16.2
			2	15	4.612	18
			2.6	13.8	14.671	23.4
			3.2	12.6	37.646	28.8
		60	1.5	16	1.17	15
			1.8	15.4	2.556	18
			2	15	4.035	20
			2.6	13.8	12.837	26
			3.2	12.6	32.94	32
		80	1.5	16	0.851	19.5
			1.8	15.4	1.859	23.4
			2	15	2.935	26
			2.6	13.8	9.336	33.8
			3.2	12.6	23.956	41.6
100	1.5	16	0.669	24		
	1.8	15.4	1.461	28.8		
	2	15	2.306	32		
	2.6	13.8	7.335	41.6		
	3.2	12.6	18.823	51.2		
22	21.00	45	1.6	17.8	1.618	12
			1.9	17.2	3.371	14.25
			2.3	16.4	7.713	17.25
			3	15	25.032	22.5
			3.5	14	50.464	26.25
		55	1.6	17.8	1.271	14.4
			1.9	17.2	2.648	17.1
			2.3	16.4	6.06	20.7
			3	15	19.668	27
			3.5	14	39.65	31.5
		70	1.6	17.8	0.989	17.6
			1.9	17.2	2.06	20.9
			2.3	16.4	4.713	25.3
			3	15	15.297	33
			3.5	14	30.839	38.5
		90	1.6	17.8	0.809	20.8
			1.9	17.2	16.85	24.7
			2.3	16.4	3.856	29.9
			3	15	12.516	39
			3.5	14	25.232	45.5
110	1.6	17.8	0.636	25.6		
	1.9	17.2	1.324	30.4		
	2.3	16.4	3.03	36.8		
	3	15	9.834	48		
	3.5	14	19.825	56		

Bore Dia. (mm)	Outer Dia. (mm)	Free length (mm)	Wire Dia. (mm)	Inner Dia. (mm)	spring rate (mm)	Solid height (mm)
H	Do	Lo	d	Di	N/mm	Ls
24	23.00	50	1.8	19.4	1.986	13.5
			2	19	3.114	15
			2.5	18	8.172	18.75
			3.2	16.6	24.346	24
			3.8	15.4	53.095	28.5
		60	1.8	19.4	1.68	15.3
			2	19	2.635	17
			2.5	18	6.915	21.25
			3.2	16.6	20.6	27.2
			3.8	15.4	44.936	32.3
		80	1.8	19.4	1.213	19.8
			2	19	1.903	22
			2.5	18	4.994	27.5
			3.2	16.6	14.878	35.2
			3.8	15.4	32.447	41.8
		100	1.8	19.4	0.993	23.4
			2	19	1.557	26
			2.5	18	4.086	32.5
			3.2	16.6	12.173	41.6
			3.8	15.4	26.547	49.4
120	1.8	19.4	0.78	28.8		
	2	19	1.223	32		
	2.5	18	3.21	40		
	3.2	16.6	9.564	51.2		
	3.8	15.4	20.859	60.8		
25	24.00	50	1.8	20.4	1.902	12.6
			2.2	19.6	4.483	15.4
			2.6	18.8	9.244	18.2
			3.4	17.2	30.306	23.8
			4	16	63.44	28
		60	1.8	20.4	1.463	15.3
			2.2	19.6	3.448	18.7
			2.6	18.8	7.111	22.1
			3.4	17.2	23.312	28.9
			4	16	48.8	34
		80	1.8	20.4	1.057	19.8
			2.2	19.6	2.49	24.2
			2.6	18.8	5.136	28.6
			3.4	17.2	16.837	37.4
			4	16	35.244	44
		100	1.8	20.4	0.865	23.4
			2.2	19.6	2.038	28.6
			2.6	18.8	4.202	33.8
			3.4	17.2	13.775	44.2
			4	16	28.836	52
125	1.8	20.4	0.679	28.8		
	2.2	19.6	1.601	35.2		
	2.6	18.8	3.301	41.6		
	3.4	17.2	10.824	54.4		
	4	16	22.657	64		

Bore Dia. (mm)	Outer Dia. (mm)	Free length (mm)	Wire Dia. (mm)	Inner Dia. (mm)	spring rate (mm)	Solid height (mm)
H	Do	Lo	d	Di	N/mm	Ls
26	25.00	50	1.9	21.2	2.096	13.3
			2.3	20.4	4.743	16.1
			2.8	19.4	11.137	19.6
			3.6	17.8	33.977	25.2
			4.2	16.6	68.552	29.4
		70	1.9	21.2	1.497	17.1
			2.3	20.4	3.388	20.7
			2.8	19.4	7.955	25.2
			3.6	17.8	24.269	32.4
			4.2	16.6	48.966	37.8
		90	1.9	21.2	1.164	20.9
			2.3	20.4	2.635	25.3
			2.8	19.4	6.187	30.8
			3.6	17.8	18.876	39.6
			4.2	16.6	38.084	46.2
		110	1.9	21.2	0.953	24.7
			2.3	20.4	2.156	29.9
			2.8	19.4	5.062	36.4
			3.6	17.8	15.444	46.8
			4.2	16.6	31.16	54.6
		130	1.9	21.2	0.749	30.4
			2.3	20.4	1.694	36.8
			2.8	19.4	3.978	44.8
			3.6	17.8	12.135	57.6
4.2	16.6		24.483	67.2		
28	27.00	60	2	23	1.692	16
			2.5	22	4.388	20
			3	21	9.68	24
			3.8	19.4	27.587	30.4
			4.5	18	59.475	36
		80	2	23	1.269	20
			2.5	22	3.291	25
			3	21	7.26	30
			3.8	19.4	20.69	38
			4.5	18	44.606	45
		100	2	23	1.015	24
			2.5	22	2.633	30
			3	21	5.808	36
			3.8	19.4	16.552	45.6
			4.5	18	35.685	54
		120	2	23	0.846	28
			2.5	22	2.194	35
			3	21	4.84	42
			3.8	19.4	13.793	53.2
			4.5	18	29.738	63
		140	2	23	0.725	32
			2.5	22	1.881	40
			3	21	4.149	48
			3.8	19.4	11.823	60.8
4.5	18		25.489	72		

Bore Dia. (mm)	Outer Dia. (mm)	Free length (mm)	Wire Dia. (mm)	Inner Dia. (mm)	spring rate (mm)	Solid height (mm)
H	Do	Lo	d	Di	N/mm	LS
30	29.00	60	2.2	24.6	2.413	15.4
			2.6	23.8	4.924	18.2
			3.2	22.6	12.105	22.4
			4	21	32.481	28
			4.8	19.4	74.256	33.6
		90	2.2	24.6	1.508	22
			2.6	23.8	3.077	26
			3.2	22.6	7.565	32
			4	21	20.301	40
			4.8	19.4	46.41	48
		120	2.2	24.6	1.097	28.6
			2.6	23.8	2.238	33.8
			3.2	22.6	5.502	41.6
			4	21	14.764	52
			4.8	19.4	33.753	62.4
		150	2.2	24.6	0.862	35.2
			2.6	23.8	1.758	41.6
			3.2	22.6	4.323	51.2
			4	21	11.6	64
			4.8	19.4	26.52	76.8
		180	2.2	24.6	0.754	39.6
			2.6	23.8	1.539	46.8
			3.2	22.6	3.783	57.6
			4	21	10.15	72
4.8	19.4		23.205	86.4		
32	30.00	60	2.2	25.6	2.162	15.4
			2.6	24.8	4.404	18.2
			3.2	23.6	10.8	22.4
			4	22	28.876	28
			4.8	20.4	65.762	33.6
		90	2.2	25.6	1.351	22
			2.6	24.8	2.753	26
			3.2	23.6	6.75	32
			4	22	18.047	40
			4.8	20.4	41.101	48
		120	2.2	25.6	0.983	28.6
			2.6	24.8	2.002	33.8
			3.2	23.6	4.909	41.6
			4	22	13.125	52
			4.8	20.4	29.892	62.4
		150	2.2	25.6	0.772	35.2
			2.6	24.8	1.573	41.6
			3.2	23.6	3.857	51.2
			4	22	10.313	64
			4.8	20.4	23.487	76.8
		180	2.2	25.6	0.675	39.6
			2.6	24.8	1.376	46.8
			3.2	23.6	3.375	57.6
			4	22	9.024	72
4.8	20.4		20.551	86.4		

Bore Dia. (mm)	Outer Dia. (mm)	Free length (mm)	Wire Dia. (mm)	Inner Dia. (mm)	spring rate (mm)	Solid height (mm)
H	Do	Lo	d	Di	N/mm	LS
35	33.00	70	2.5	28	2.729	17.5
			3	27	5.948	21
			3.5	26	11.588	24.5
			4.5	24	35.118	31.5
		105	5.5	22	87.23	38.5
			2.5	28	1.706	25
			3	27	3.717	30
			3.5	26	7.243	35
		140	4.5	24	21.949	45
			5.5	22	54.519	55
			2.5	28	1.241	32.5
			3	27	2.703	39
		175	3.5	26	5.267	45.5
			4.5	24	15.963	58.5
			5.5	22	39.65	71.5
			2.5	28	0.975	40
		210	3	27	2.124	48
			3.5	26	4.139	56
			4.5	24	12.542	72
			5.5	22	31.154	88
	2.5	28	0.853	45		
	3	27	1.859	54		
	3.5	26	3.621	63		
	4.5	24	10.974	81		
38	36.00	75	5.5	22	27.259	99
			2.5	31	2.06	17.5
			3	30	4.468	21
			3.5	29	8.666	24.5
		110	4.5	27	26.009	31.5
			5.5	25	63.939	38.5
			2.5	31	1.287	25
			3	30	2.793	30
		150	3.5	29	5.416	35
			4.5	27	16.256	45
			5.5	25	39.962	55
			2.5	31	0.936	32.5
		190	3	30	2.031	39
			3.5	29	3.939	45.5
			4.5	27	11.822	58.5
			5.5	25	29.063	71.5
		220	2.5	31	0.736	40
			3	30	1.596	48
			3.5	29	3.095	56
			4.5	27	9.289	72
	5.5	25	22.835	88		
	2.5	31	0.644	45		
	3	30	1.396	54		
	3.5	29	2.708	63		
	4.5	27	8.128	81		
	5.5	25	19.981	99		

Bore Dia. (mm)	Outer Dia. (mm)	Free length (mm)	Wire Dia. (mm)	Inner Dia. (mm)	spring rate (mm)	Solid height (mm)		
H	Do	Lo	d	Di	N/mm	LS		
40	38.00	80	3	32	3.745	21		
			3.5	31	7.245	24.5		
			4	30	12.913	28		
			5	28	34.479	35		
		120	6	26	78.409	42		
			3	32	2.341	30		
			3.5	31	4.528	35		
			4	30	8.07	40		
		160	5	28	21.549	50		
			6	26	49.006	60		
			3	32	1.702	39		
			3.5	31	3.293	45.5		
		200	4	30	5.869	52		
			5	28	15.672	65		
			6	26	35.641	78		
			3	32	1.338	48		
		240	3.5	31	2.587	56		
			4	30	4.612	64		
			5	28	12.314	80		
			6	26	28.003	96		
		42	40.00	80	3	32	1.102	57
					3.5	31	2.131	66.5
					4	30	3.798	76
					5	28	10.141	95
120	6			26	23.062	114		
	3			34	3.17	21		
	3.5			33	6.118	24.5		
	4			32	10.878	28		
160	5			30	28.899	35		
	6			28	65.37	42		
	3			34	1.981	30		
	3.5			33	3.824	35		
200	4			32	6.799	40		
	5			30	18.062	50		
	6			28	40.857	60		
	3			34	1.441	39		
240	3.5			33	2.781	45.5		
	4			32	4.945	52		
	5			30	13.136	65		
	6			28	29.714	78		
80	3			34	1.174	46.5		
	3.5			33	2.266	54.25		
	4			32	4.029	62		
	5			30	10.703	77.5		
120	6	28	24.211	93				
	3	34	0.961	55.5				
	3.5	33	1.854	64.75				
	4	32	3.296	74				
160	5	30	8.757	92.5				
	6	28	19.809	111				

Bore Dia. (mm)	Outer Dia. (mm)	Free length (mm)	Wire Dia. (mm)	Inner Dia. (mm)	spring rate (mm)	Solid height (mm)		
H	Do	Lo	d	Di	N/mm	LS		
45	43.00	90	3.5	36	4.827	24.5		
			4	35	8.556	28		
			4.5	34	14.246	31.5		
			5	33	22.581	35		
		135	6	31	50.724	42		
			3.5	36	3.017	35		
			4	35	5.347	40		
			4.5	34	8.904	45		
		180	5	33	14.113	50		
			6	31	31.702	60		
			3.5	36	2.194	45.5		
			4	35	3.889	52		
		225	4.5	34	6.475	58.5		
			5	33	10.264	65		
			6	31	23.056	78		
			3.5	36	1.724	56		
		270	4	35	3.056	64		
			4.5	34	5.088	72		
			5	33	8.065	80		
			6	31	18.116	96		
		48	46.00	100	3.5	36	1.508	63
					4	35	2.674	72
					4.5	34	4.452	81
					5	33	7.057	90
140	6			31	15.851	108		
	3.5			39	3.523	26.25		
	4			38	6.227	30		
	4.5			37	10.34	33.75		
190	5			36	16.344	37.5		
	6			34	36.496	45		
	3.5			39	2.422	35		
	4			38	4.281	40		
240	4.5	37	7.109	45				
	5	36	11.236	50				
	6	34	25.091	60				
	3.5	39	1.762	45.5				
280	4	38	3.114	52				
	4.5	37	5.17	58.5				
	5	36	8.172	65				
	6	34	18.248	78				
			3.5	39	1.384	56		
			4	38	2.447	64		
			4.5	37	4.062	72		
			5	36	6.421	80		
			6	34	14.338	96		
			3.5	39	1.211	63		
			4	38	2.141	72		
			4.5	37	3.554	81		
			5	36	5.618	90		
			6	34	12.546	108		

Bore Dia. (mm)	Outer Dia. (mm)	Free length (mm)	Wire Dia. (mm)	Inner Dia. (mm)	spring rate (mm)	Solid height (mm)		
H	Do	Lo	d	Di	N/mm	LS		
50	48.00	100	3.5	41	3.376	24.5		
			4	40	5.958	28		
			4.5	39	9.876	31.5		
			5	38	15.584	35		
		150	6	36	34.679	42		
			3.5	41	2.11	35		
			4	40	3.724	40		
			4.5	39	6.173	45		
		200	5	38	9.74	50		
			6	36	21.675	60		
			3.5	41	1.535	45.5		
			4	40	2.708	52		
		250	4.5	39	4.489	58.5		
			5	38	7.084	65		
			6	36	15.763	78		
			3.5	41	1.206	56		
		300	4	40	2.128	64		
			4.5	39	3.527	72		
			5	38	5.566	80		
			6	36	1.385	96		
					3.5	41	1.055	63
					4	40	1.862	72
					4.5	39	3.086	81
					5	38	4.87	90
			6	36	10.837	108		