



COMPONENT GUYS INC.

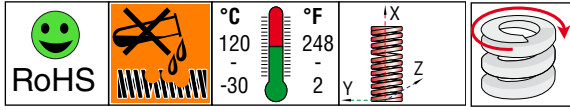
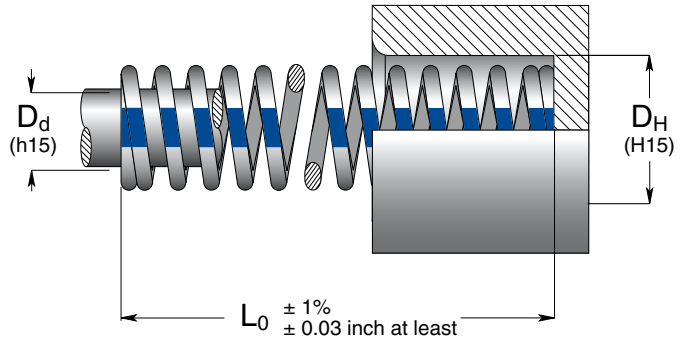
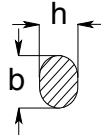
Die Springs Medium-Blue

OLS SERIES

MOELLER
PRECISION TOOL

US Standard
Oval Wire

Light load springs
Silver-blue color



Code	D _H Hole Diameter	D _d Rod Diameter	L ₀ Free Length	R Spring Constant	A		B		C		D		E			
					25% L ₀		40% L ₀		45% L ₀		50% L ₀		approx. do not use			
					inch	lbs	inch	lbs	inch	lbs	inch	lbs	inch	lbs		
	b x h			± 10%	+ 3,000,000		~ 1,500,000		300 - 500,000		100 - 200,000		do not use			
	inch	inch	inch	lbs/0.1 in.	inch	lbs	inch	lbs	inch	lbs	inch	lbs	inch	lbs		
OLS 37 - 100	3/8	3/16	1	8.2	0.25	21	0.40	33	0.44	36	0.50	41	0.53	43		
OLS 37 - 125			1 1/4	7.0	0.31	22	0.50	35	0.57	40	0.63	44	0.69	48		
OLS 37 - 150			1 1/2	5.6	0.38	21	0.60	34	0.67	38	0.75	42	0.82	46		
OLS 37 - 175			1 3/4	5.0	0.44	22	0.70	35	0.78	39	0.88	44	0.94	47		
OLS 37 - 200			2	4.3	0.50	22	0.80	34	0.91	39	1.00	43	1.14	49		
OLS 37 - 250			2 1/2	2.8	0.63	18	1.00	28	1.13	32	1.25	35	1.42	40		
OLS 37 - 300			3	2.2	0.75	17	1.20	26	1.35	29	1.50	33	1.70	37		
OLS 37 - 1200			0.07 x 0.04	12	0.7	3.00	21	4.80	34	5.41	37	6.00	42	7.04	49	
OLS 50 - 100			1/2	9/32	1	10.	0.25	27	0.40	43	0.44	48	0.50	54	0.52	56
OLS 50 - 125					1 1/4	8.8	0.31	27	0.50	44	0.57	50	0.63	55	0.71	62
OLS 50 - 150	1 1/2	7.7			0.38	29	0.60	46	0.67	52	0.75	58	0.83	64		
OLS 50 - 175	1 3/4	6.7			0.44	29	0.70	47	0.78	53	0.88	59	0.94	63		
OLS 50 - 200	2	5.7			0.50	29	0.80	46	0.91	52	1.00	57	1.13	64		
OLS 50 - 250	2 1/2	4.3			0.63	27	1.00	43	1.13	49	1.25	54	1.41	61		
OLS 50 - 300	3	3.4			0.75	26	1.20	41	1.35	45	1.50	51	1.68	57		
OLS 50 - 350	3 1/2	2.7			0.88	24	1.40	38	1.58	43	1.75	47	1.98	53		
OLS 50 - 400	4	1.9			1.00	19	1.60	30	1.81	35	2.00	38	2.30	44		
OLS 50 - 1200	0.10 x 0.06	12			0.9	3.00	27	4.80	43	5.41	49	6.00	54	6.77	61	
OLS 62 - 100	5/8	11/32	1	13.1	0.25	33	0.40	52	0.44	58	0.50	66	0.50	66		
OLS 62 - 125			1 1/4	12.	0.31	40	0.50	64	0.57	73	0.63	81	0.65	83		
OLS 62 - 150			1 1/2	10.	0.38	41	0.60	65	0.67	73	0.75	81	0.79	85		
OLS 62 - 175			1 3/4	9.6	0.44	42	0.70	67	0.78	75	0.88	84	0.92	88		
OLS 62 - 200			2	8.8	0.50	44	0.80	70	0.91	79	1.00	88	1.06	93		
OLS 62 - 250			2 1/2	6.0	0.63	38	1.00	60	1.13	68	1.25	75	1.31	79		
OLS 62 - 300			3	5.6	0.75	42	1.20	67	1.35	75	1.50	84	1.65	92		
OLS 62 - 350			3 1/2	4.8	0.88	42	1.40	67	1.58	76	1.75	84	1.91	92		
OLS 62 - 400			4	4.4	1.00	44	1.60	70	1.81	79	2.00	88	2.19	96		
OLS 62 - 450			4 1/2	3.4	1.13	38	1.80	61	2.04	69	2.25	77	2.45	83		
OLS 62 - 1200	0.11 x 0.07	12	1.4	3.00	42	4.80	67	5.41	77	6.00	84	6.73	94			
OLS 75 - 100	3/4	3/8	1	30.	0.25	76	0.40	121	0.44	134	0.50	152	0.50	152		
OLS 75 - 125			1 1/4	24.	0.31	76	0.50	123	0.57	140	0.63	155	0.67	165		
OLS 75 - 150			1 1/2	19.	0.38	74	0.60	118	0.67	132	0.75	147	0.80	157		
OLS 75 - 175			1 3/4	17.	0.44	77	0.70	122	0.78	135	0.88	153	0.93	162		
OLS 75 - 200			2	14.	0.50	73	0.80	117	0.91	132	1.00	146	1.08	158		
OLS 75 - 250			2 1/2	11.8	0.63	74	1.00	118	1.13	133	1.25	148	1.37	162		
OLS 75 - 300			3	9.3	0.75	70	1.20	112	1.35	125	1.50	140	1.67	155		
OLS 75 - 350			3 1/2	8.1	0.88	71	1.40	113	1.58	128	1.75	142	1.93	156		
OLS 75 - 400			4	7.0	1.00	70	1.60	112	1.81	126	2.00	140	2.23	156		
OLS 75 - 450			4 1/2	6.3	1.13	71	1.80	113	2.04	128	2.25	142	2.52	159		
OLS 75 - 500	5	5.6	1.25	70	2.00	112	2.25	126	2.50	140	2.82	158				
OLS 75 - 550	5 1/2	4.7	1.38	65	2.20	103	2.48	118	2.75	129	3.14	148				
OLS 75 - 600	6	4.1	1.50	62	2.40	98	2.69	111	3.00	123	3.38	139				
OLS 75 - 1200	0.16 x 0.08	12	2.3	3.00	69	4.80	110	5.41	127	6.00	138	6.61	152			



MOELLER
PRECISION TOOL

US Standard Oval Wire

Die Springs - Medium - Blue

COMPONENT GUYS INC.

Code	D _H	D _d	L ₀	R	A		B		C		D		E		
	Hole Diameter	Rod Diameter	Free Length	Spring Constant	25% L ₀		40% L ₀		45% L ₀		50% L ₀		approx. do not use		
	b x h			± 10%	+ 3,000,000		~ 1,500,000		300 - 500,000		100 - 200,000				
	inch	inch	inch	lbs/0.1 in.	inch	lbs	inch	lbs	inch	lbs	inch	lbs	inch	lbs	
OLS 100 - 100	1	1/2	1	61.6	0.25	154	0.40	246	0.45	277	0.50	308	0.50	308	
OLS 100 - 125			1 1/4	45.9	0.31	142	0.50	230	0.56	258	0.63	289	0.63	289	
OLS 100 - 150			1 1/2	35.9	0.38	136	0.60	215	0.68	242	0.75	269	0.75	269	
OLS 100 - 175			1 3/4	29.7	0.44	131	0.70	208	0.79	234	0.88	261	0.90	267	
OLS 100 - 200			2	24.6	0.50	123	0.80	197	0.90	221	1.00	246	1.07	263	
OLS 100 - 250			2 1/2	20.2	0.63	127	1.00	202	1.13	227	1.25	253	1.31	265	
OLS 100 - 300			3	16.8	0.75	126	1.20	202	1.35	227	1.50	252	1.56	262	
OLS 100 - 350			3 1/2	14.0	0.88	123	1.40	196	1.58	221	1.75	245	1.88	263	
OLS 100 - 400			4	12.3	1.00	123	1.60	197	1.8	221	2.00	246	2.22	273	
OLS 100 - 450			4 1/2	10.6	1.13	120	1.80	191	2.03	215	2.25	239	2.45	260	
OLS 100 - 500			5	9.8	1.25	123	2.00	196	2.25	221	2.50	245	2.73	268	
OLS 100 - 550			5 1/2	9.0	1.38	124	2.20	198	2.48	223	2.75	248	3.03	273	
OLS 100 - 600	6	8.4	1.50	126	2.40	202	2.7	227	3.00	252	3.27	275			
OLS 100 - 700	7	7.3	1.75	128	2.80	204	3.15	230	3.50	256	3.88	283			
OLS 100 - 800	8	6.2	2.00	124	3.20	198	3.6	223	4.00	248	4.41	273			
OLS 100 - 1200	0.22 x 0.10	12	4.2	3.00	126	4.80	202	5.4	227	6.00	252	6.51	273		
OLS 125 - 150	1 1/4	5/8	1 1/2	50.4	0.38	192	0.60	302	0.68	340	0.75	378	0.76	383	
OLS 125 - 175			1 3/4	43.7	0.44	192	0.70	306	0.79	344	0.88	385	0.88	385	
OLS 125 - 200			2	34.7	0.50	174	0.80	278	0.90	312	1.00	347	1.02	354	
OLS 125 - 250			2 1/2	28.0	0.63	176	1.00	280	1.13	315	1.25	350	1.30	364	
OLS 125 - 300			3	23.5	0.75	176	1.20	282	1.35	317	1.50	353	1.57	369	
OLS 125 - 350			3 1/2	20.2	0.88	178	1.40	283	1.58	318	1.75	354	1.85	374	
OLS 125 - 400			4	17.4	1.00	174	1.60	278	1.8	313	2.00	348	2.14	372	
OLS 125 - 450			4 1/2	15.7	1.13	177	1.80	283	2.03	318	2.25	353	2.41	378	
OLS 125 - 500			5	13.4	1.25	168	2.00	268	2.25	302	2.50	335	2.69	360	
OLS 125 - 550			5 1/2	12.3	1.38	170	2.20	271	2.48	304	2.75	338	2.98	367	
OLS 125 - 600			6	11.2	1.50	168	2.40	269	2.7	302	3.00	336	3.24	363	
OLS 125 - 700			7	10.1	1.75	177	2.80	283	3.15	318	3.50	354	3.83	387	
OLS 125 - 800	8	8.4	2.00	168	3.20	269	3.6	302	4.00	336	4.34	365			
OLS 125 - 1000	10	7.3	2.50	183	4.00	292	4.5	329	5.00	365	5.43	396			
OLS 125 - 1200	0.27 x 0.12	12	5.6	3.00	168	4.80	269	5.4	302	6.00	336	6.45	361		
OLS 150 - 200	1 1/2	3/4	2	46.5	0.50	233	0.80	372	0.90	419	1.00	465	1.04	484	
OLS 150 - 250			2 1/2	35.9	0.63	226	1.00	359	1.13	404	1.25	449	1.30	467	
OLS 150 - 300			3	29.1	0.75	218	1.20	349	1.35	393	1.50	437	1.57	457	
OLS 150 - 350			3 1/2	24.6	0.88	216	1.40	344	1.58	387	1.75	431	1.87	460	
OLS 150 - 400			4	20.7	1.00	207	1.60	331	1.8	373	2.00	414	2.15	445	
OLS 150 - 450			4 1/2	18.5	1.13	209	1.80	333	2.03	375	2.25	416	2.42	448	
OLS 150 - 500			5	16.8	1.25	210	2.00	336	2.25	378	2.50	420	2.68	450	
OLS 150 - 550			5 1/2	15.4	1.38	213	2.20	339	2.48	381	2.75	424	3.02	465	
OLS 150 - 600			6	14.0	1.50	210	2.40	336	2.7	378	3.00	420	3.25	455	
OLS 150 - 700			7	12.3	1.75	215	2.80	344	3.15	387	3.50	431	3.85	474	
OLS 150 - 800			8	10.6	2.00	212	3.20	339	3.6	382	4.00	424	4.34	460	
OLS 150 - 1000			10	8.4	2.50	210	4.00	336	4.5	378	5.00	420	5.51	463	
OLS 150 - 1200	0.31 x 0.14	12	6.2	3.00	186	4.80	298	5.4	335	6.00	372	6.46	401		
OLS 200 - 250	2	1	2 1/2	89.6	0.63	564	1.00	896	1.13	1008	1.25	1120	1.26	1129	
OLS 200 - 300			3	75.6	0.75	567	1.20	907	1.35	1021	1.50	1134	1.62	1225	
OLS 200 - 350			3 1/2	65.5	0.88	576	1.40	917	1.58	1032	1.75	1146	1.89	1238	
OLS 200 - 400			4	56.0	1.00	560	1.60	896	1.8	1008	2.00	1120	2.15	1204	
OLS 200 - 450			4 1/2	49.8	1.13	563	1.80	896	2.03	1008	2.25	1121	2.45	1220	
OLS 200 - 500			5	44.3	1.25	554	2.00	886	2.25	997	2.50	1108	2.73	1209	
OLS 200 - 550			5 1/2	39.7	1.38	548	2.20	873	2.48	983	2.75	1092	3.02	1199	
OLS 200 - 600			6	36.9	1.50	554	2.40	886	2.7	996	3.00	1107	3.22	1188	
OLS 200 - 700			7	30.3	1.75	530	2.80	848	3.15	954	3.50	1061	3.86	1170	
OLS 200 - 800			8	26.9	2.00	538	3.20	861	3.6	968	4.00	1076	4.43	1192	
OLS 200 - 1000			10	21.4	2.50	535	4.00	856	4.5	963	5.00	1070	5.56	1190	
OLS 200 - 1200			0.45 x 0.20	12	17.9	3.00	537	4.80	859	5.4	967	6.00	1074	6.69	1198
OLS 250 - 300	2 1/2	1 1/2	3	108.1	0.75	811	1.20	1297	1.35	1459	1.50	1622	1.51	1632	
OLS 250 - 350			3 1/2	89.6	0.88	788	1.40	1254	1.58	1411	1.75	1568	1.81	1622	
OLS 250 - 400			4	76.2	1.00	762	1.60	1219	1.8	1372	2.00	1524	2.08	1585	
OLS 250 - 450			4 1/2	66.6	1.13	753	1.80	1199	2.03	1349	2.25	1499	2.35	1565	
OLS 250 - 500			5	59.4	1.25	743	2.00	1188	2.25	1337	2.50	1485	2.65	1574	
OLS 250 - 550			5 1/2	53.2	1.37	729	2.20	1170	2.48	1317	2.75	1463	2.97	1580	
OLS 250 - 600			6	48.1	1.50	722	2.40	1154	2.7	1299	3.00	1443	3.22	1549	
OLS 250 - 700			7	41.5	1.75	726	2.80	1162	3.15	1307	3.50	1453	3.88	1610	
OLS 250 - 800			8	35.9	2.00	718	3.20	1149	3.6	1292	4.00	1436	4.30	1544	
OLS 250 - 1000			10	26.9	2.50	673	4.00	1076	4.5	1211	5.00	1345	5.52	1485	
OLS 250 - 1200			0.46 x 0.28	12	21.8	3.00	654	4.80	1046	5.4	1177	6.00	1308	6.41	1397

Load (lbs) = R (lbs/0.1 inch) x 10 x Deflection (inch)

How to order: OLS 150 - 400 (Series) [D_H] - [L₀]