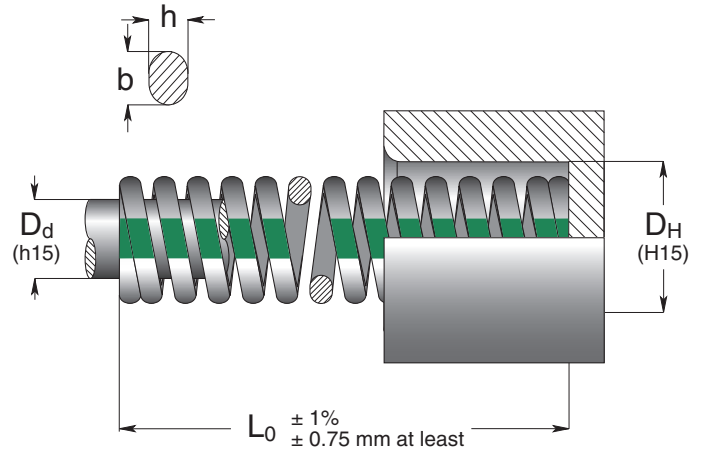
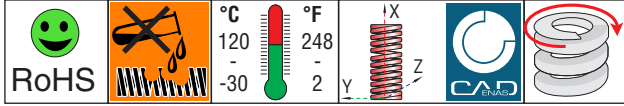


XHG SERIES

US Standard Oval Wire



- IT** Molle carico extra-forte
- EN** Extra-heavy load springs
- DE** Federn für höchste Spannung
- FR** Ressorts charge extra-forte
- ES** Muelles carga extra-fuerte
- PT** Molas carga extra-forte







Code	D _H		L ₀	R	A	B	C	E							
	Hole Diameter								Rod Diameter	Free Length	Spring Constant	15% L ₀	20% L ₀	25% L ₀	do not use
	b	h													
	mm	mm	mm	N/mm	mm	mm	mm	mm							
				± 10%	N	N	N	N							
					Long Life	Medium Life	Max Deflection	approx.							
								do not use							
XHG 37 - 100	9.5	4.7	25	38.5	3.8	146	5.0	193	6.3	243	7.9	304			
XHG 37 - 125			32	29.7	4.8	143	6.4	190	8.0	238	10.9	324			
XHG 37 - 150			38	25.4	5.7	145	7.6	193	9.5	241	13.4	340			
XHG 37 - 175			44	20.2	6.6	133	8.8	178	11.0	222	13.8	279			
XHG 37 - 200			51	17.6	7.7	136	10.2	180	12.8	225	16.8	296			
XHG 37 - 250			64	14.0	9.6	134	12.8	179	16.0	224	20.2	283			
XHG 37 - 300			76	11.4	11.4	130	15.2	173	19.0	217	25.9	295			
XHG 37 - 1200			1.97 x 1.50		305	2.6	45.8	119	61.0	159	76.3	198	113.5	295	
XHG 50 - 100	13	7	25	56.1	3.8	213	5.0	281	6.3	353	8.5	477			
XHG 50 - 125			32	42.1	4.8	202	6.4	269	8.0	337	10.5	442			
XHG 50 - 150			38	35.0	5.7	200	7.6	266	9.5	333	12.8	448			
XHG 50 - 175			44	29.8	6.6	197	8.8	262	11.0	328	14.0	417			
XHG 50 - 200			51	24.5	7.7	198	10.2	250	12.8	314	16.1	394			
XHG 50 - 250			64	20.2	9.6	194	12.8	259	16.0	323	21.1	426			
XHG 50 - 300			76	15.8	11.4	180	15.2	240	19.0	300	24.5	387			
XHG 50 - 350			89	14.0	13.4	188	17.8	249	22.3	312	30.0	420			
XHG 50 - 400			102	10.8	15.3	165	20.4	220	25.5	275	35.6	384			
XHG 50 - 1200			2.50 x 2.00		305	4.4	45.8	202	61.0	268	76.3	336	104.7	461	
XHG 62 - 100	16	8.7	25	110.3	3.8	419	5.0	552	6.3	695	7.8	860			
XHG 62 - 125			32	82.3	4.8	395	6.4	527	8.0	658	10.2	839			
XHG 62 - 150			38	66.7	5.7	380	7.6	507	9.5	634	12.2	814			
XHG 62 - 175			44	56.1	6.6	370	8.8	494	11.0	617	14.0	785			
XHG 62 - 200			51	50.8	7.7	391	10.2	518	12.8	650	16.6	843			
XHG 62 - 250			64	38.5	9.6	370	12.8	493	16.0	616	19.5	751			
XHG 62 - 300			76	31.5	11.4	359	15.2	479	19.0	599	25.8	813			
XHG 62 - 350			89	28.0	13.4	375	17.8	498	22.3	624	29.5	826			
XHG 62 - 400			102	23.6	15.3	361	20.4	481	25.5	602	33.9	800			
XHG 62 - 450			115	20.6	17.3	356	22.0	474	28.8	593	38.3	789			
XHG 62 - 1200	3.10 x 2.76		305	7.8	45.8	357	61.0	476	76.3	595	89.9	701			
XHG 75 - 100	19.5	9.5	25	205.9	3.8	782	5.0	1030	6.3	1297	7.1	1462			
XHG 75 - 125			32	166.7	4.8	800	6.4	1067	8.0	1334	9.4	1567			
XHG 75 - 150			38	132.4	5.7	755	7.5	1006	9.5	1258	11.6	1536			
XHG 75 - 175			44	117.7	6.6	777	8.8	1036	11.0	1295	13.9	1636			
XHG 75 - 200			51	98.1	7.7	755	10.2	1001	12.8	1256	16.2	1589			
XHG 75 - 250			64	83.4	9.6	801	12.8	1068	16.0	1334	21.5	1793			
XHG 75 - 300			76	68.6	11.4	782	15.2	1043	19.0	1303	25.0	1715			
XHG 75 - 350			89	54.9	13.4	736	17.8	977	21.8	1224	30.4	1669			
XHG 75 - 400			102	48.1	15.3	736	20.4	981	25.5	1227	34.9	1679			
XHG 75 - 450			115	41.2	17.3	713	22.0	948	28.8	1187	42.0	1730			
XHG 75 - 500			127	38.2	19.1	730	24.0	970	32.3	1215	46.4	1772			
XHG 75 - 550			140	33.3	21.0	699	28.0	932	35.5	1166	49.1	1635			
XHG 75 - 600			152	31.4	22.8	716	30.4	955	38.8	1193	53.5	1680			
XHG 75 - 1200			4.00 x 3.60		305	16.5	45.8	756	61.0	1007	76.3	1259	115.0	1898	



US Standard Oval Wire

SERIES XHG

Code	D _H	D _d	L ₀	R	 A 15% L ₀ Long Life	 B 20% L ₀ Medium Life	 C 25% L ₀ Max Deflection	 E approx. do not use							
	b x h		Free Length	Spring Constant						N		N		N	
	mm	mm								mm	N/mm	mm	N	mm	N
XHG 100 - 100	25.5	13	25	441.3	3.8	1677	5.0	2207	6.3	2780	6.7	2957			
XHG 100 - 125			32	343.2	4.8	1647	6.4	2196	8.0	2746	9.5	3260			
XHG 100 - 150			38	323.6	5.7	1845	7.6	2459	9.5	3074	11.8	3818			
XHG 100 - 175			44	264.8	6.6	1748	8.8	2330	11.0	2913	14.1	3734			
XHG 100 - 200			51	201.0	7.7	1548	10.2	2050	12.8	2573	17.0	3417			
XHG 100 - 250			64	156.9	9.6	1506	12.8	2008	16.0	2510	21.0	3295			
XHG 100 - 300			76	127.5	11.4	1454	15.2	1938	19.0	2423	24.9	3175			
XHG 100 - 350			89	107.9	13.4	1446	17.8	1921	22.3	2406	29.9	3226			
XHG 100 - 400			102	96.1	15.3	1470	20.4	1960	25.5	2451	33.9	3258			
XHG 100 - 450			115	84.3	17.3	1458	23.0	1939	28.8	2428	39.1	3296			
XHG 100 - 500			127	75.5	19.1	1442	25.4	1918	31.8	2401	42.2	3186			
XHG 100 - 550			140	63.7	21.0	1338	28.0	1784	35.0	2230	47.7	3038			
XHG 100 - 600			152	62.8	22.8	1432	30.4	1909	38.0	2386	51.1	3209			
XHG 100 - 700			178	53.9	26.7	1439	35.6	1919	44.5	2399	62.1	3347			
XHG 100 - 800	203	46.1	30.5	1406	40.6	1872	50.8	2342	70.0	3227					
XHG 100 - 1200	305	33.3	45.8	1525	61.0	2031	76.3	2541	105.5	3513					
XHG 125 - 150	32	16	38	470.7	5.7	2683	7.6	3577	9.5	4472	10.2	4801			
XHG 125 - 175			44	392.3	6.6	2589	8.8	3452	11.0	4315	13.0	5100			
XHG 125 - 200			51	333.4	7.7	2567	10.2	3401	12.8	4268	15.3	5101			
XHG 125 - 250			64	264.8	9.6	2542	12.8	3389	16.0	4237	20.4	5402			
XHG 125 - 300			76	215.7	11.4	2459	15.2	3279	19.0	4098	23.2	5004			
XHG 125 - 350			89	166.7	13.4	2234	17.8	2967	22.3	3717	28.3	4718			
XHG 125 - 400			102	147.1	15.3	2251	20.4	3001	25.5	3751	33.4	4913			
XHG 125 - 450			115	137.3	17.3	2375	23.0	3158	28.8	3954	38.6	5300			
XHG 125 - 500			127	127.5	19.1	2435	25.4	3239	31.8	4055	41.3	5266			
XHG 125 - 550			140	112.8	21.0	2369	28.0	3158	35.0	3948	45.0	5076			
XHG 125 - 600			152	103.0	22.8	2348	30.4	3131	38.0	3914	49.9	5140			
XHG 125 - 700			178	92.2	26.7	2462	35.6	3282	44.5	4103	58.1	5357			
XHG 125 - 800			203	75.5	34.5	2303	40.6	3065	50.8	3835	66.0	4983			
XHG 125 - 1000			254	60.8	38.1	2316	50.8	3089	63.5	3861	82.7	5028			
XHG 125 - 1200	305	49.0	45.8	2244	61.0	2989	6.03	3739	99.5	4876					
XHG 150 - 200	38.5	19.5	51	539.4	7.7	4153	10.2	5502	12.8	6904	13.8	7444			
XHG 150 - 250			64	460.9	9.6	4425	12.8	5900	16.0	7374	19.9	9172			
XHG 150 - 300			76	353.0	11.4	4024	15.2	5366	19.0	6707	22.9	8084			
XHG 150 - 350			89	294.2	13.4	3942	17.8	5237	22.3	6561	28.9	8208			
XHG 150 - 400			102	255.0	15.3	3902	20.4	5202	25.5	6503	31.9	8135			
XHG 150 - 450			115	255.6	17.3	3903	23.0	5189	28.8	6497	36.2	8167			
XHG 150 - 500			127	201.0	19.1	3839	25.4	5105	31.8	6392	41.0	8241			
XHG 150 - 550			140	186.3	21.0	3912	28.0	5216	35.0	6521	45.3	8439			
XHG 150 - 600			152	166.7	22.8	3801	30.4	5068	38.0	6335	50.2	8368			
XHG 150 - 700			178	147.1	26.7	3928	35.6	5237	44.5	6546	57.7	8488			
XHG 150 - 800			203	127.5	30.5	3889	40.6	5177	50.8	6477	68.7	8759			
XHG 150 - 1000			254	98.1	38.1	3738	50.8	4983	63.5	6229	84.3	8270			
XHG 150 - 1200			305	83.4	45.8	3820	61.0	5087	76.3	6363	105.3	8782			
XHG 200 - 250			51	25.5	64	645.3	9.6	6195	12.8	8260	16.0	10325	16.5	10647	
XHG 200 - 300	76	554.1			11.4	6317	15.2	8422	19.0	10528	20.9	11581			
XHG 200 - 350	89	451.1			13.4	6045	17.8	8030	22.3	10060	23.9	10781			
XHG 200 - 400	102	402.1			15.3	6152	20.4	8203	25.5	10254	29.3	11782			
XHG 200 - 450	115	343.2			17.3	5937	23.0	7894	28.8	9884	32.3	11085			
XHG 200 - 500	127	313.8			19.1	5994	25.4	7971	31.8	9979	36.7	11516			
XHG 200 - 550	140	284.4			21.0	5972	28.0	7963	35.0	9954	40.7	11575			
XHG 200 - 600	152	264.8			22.8	6037	30.4	8050	38.0	10062	44.1	11678			
XHG 200 - 700	178	225.6			26.7	6024	35.6	8031	44.8	10039	51.6	11641			
XHG 200 - 800	203	193.7			30.5	5908	40.6	7864	50.8	9840	57.6	11157			
XHG 200 - 1000	254	153.0			38.1	5829	50.8	7772	63.5	9716	73.3	11215			
XHG 200 - 1200	305	146.1			45.8	6691	61.0	8912	76.3	11147	89.2	13032			

OES
Metric