



Baugrößen			1.8159 Federstahldraht verg. - Feder-Wege und -Kräfte								Bestelldaten	
D <sub>h</sub> mm	D <sub>d</sub> mm	L <sub>0</sub> mm	R N/mm	s <sub>1</sub> mm	F <sub>1</sub> N	s <sub>2</sub> mm	F <sub>2</sub> N	s <sub>max</sub> mm	F <sub>max</sub> N	Farbe	Artikel Nr.	
10,00	5,00	25,0	22,1	5,3	117,1	6,5	143,7	7,5	165,8	rot	HL10x25	
		32,0	17,5	6,7	117,3	8,3	145,3	9,6	168,0		HL10x32	
		38,0	17,1	8,0	136,8	9,9	169,3	11,4	194,9		HL10x38	
		44,0	15,0	9,2	138,0	11,5	172,5	13,2	198,0		HL10x44	
		51,0	12,8	10,7	137,0	13,3	170,2	15,3	195,8		HL10x51	
		64,0	10,7	13,4	143,4	16,6	177,6	19,2	205,4		HL10x64	
		76,0	7,5	16,0	120,0	19,8	148,5	22,8	171,0		HL10x76	
		305,0	2,1	64,0	134,0	79,3	166,5	91,5	192,2		HL10x305	
		12,50	6,30	25,0	42,1	5,3	223,1	6,5	273,7		7,5	315,8
32,0	33,2			6,7	22,4	8,3	275,6	9,6	318,7	HL13x32		
38,0	29,3			8,0	234,4	9,9	290,1	11,4	334,0	HL13x38		
44,0	24,6			9,2	226,3	11,5	282,9	13,2	324,7	HL13x44		
51,0	19,6			10,7	209,7	13,3	260,7	15,3	300,0	HL13x51		
64,0	15,0			13,4	201,0	16,6	249,0	19,2	288,0	HL13x64		
76,0	13,2			16,0	211,2	19,8	261,4	22,8	301,0	HL13x76		
89,0	11,4			18,7	213,2	231,0	263,3	26,7	304,4	HL13x89		
305,0	2,8			64,0	179,2	79,3	222,0	91,5	256,2	HL13x305		
16,00	8,00	25,0	75,7	5,3	401,2	6,5	492,1	7,5	567,8	rot	HL16x25	
		32,0	52,8	6,7	353,8	8,3	438,2	9,6	506,9		HL16x32	
		38,0	48,5	8,0	388,0	9,9	480,2	11,4	552,9		HL16x38	
		44,0	42,8	9,2	393,8	11,5	492,2	13,2	565,0		HL16x44	
		51,0	37,1	10,7	397,0	13,3	493,4	15,3	567,6		HL16x51	
		64,0	30,3	13,4	406,0	16,6	503,0	19,2	582,0		HL16x64	
		76,0	25,7	16,0	411,2	19,8	509,0	22,8	586,0		HL16x76	
		89,0	21,7	18,7	405,8	23,1	501,3	26,7	579,4		HL16x89	
		102,0	19,3	21,7	413,0	26,5	511,5	30,6	590,6		HL16x102	
305,0	7,1	64,0	454,4	79,3	563,0	91,5	649,7	HL16x305				
20,00	10,00	25,0	216,0	5,3	1144,8	6,5	1404,0	7,5	1620,0	rot	HL20x25	
		32,0	168,0	6,7	1125,6	8,3	1394,4	9,6	1612,8		HL20x32	
		38,0	129,0	8,0	1032,0	9,9	1277,1	11,0	1419,0		HL20x38	
		44,0	112,0	9,2	1030,4	11,5	1288,0	13,0	1456,0		HL20x44	
		51,0	94,0	10,7	1005,8	13,3	1250,2	15,0	1410,0		HL20x51	
		64,0	72,1	13,4	966,1	16,6	1196,9	19,0	1369,9		HL20x64	
		76,0	59,7	16,0	955,2	19,8	1182,1	23,0	1373,1		HL20x76	
		89,0	50,5	18,7	944,4	23,1	1166,6	27,0	1363,5		HL20x89	
		102,0	44,2	21,4	945,9	26,5	1171,3	31,0	1370,2		HL20x102	
		115,0	38,4	24,2	929,3	30,0	1152,0	35,0	1344,0		HL20x115	
		127,0	34,1	26,7	910,5	33,0	1125,3	38,0	1295,8		HL20x127	
		139,0	31,0	29,2	905,2	36,1	1119,1	42,0	1302,0		HL20x139	
		152,0	28,2	32,0	902,4	39,5	1113,9	46,0	1297,2		HL20x152	
		305,0	15,0	64,0	960,0	79,3	1189,5	91,0	1365,0		HL20x305	
25,00	12,50	25,0	375,0	5,3	1987,5	6,5	2437,5	7,5	2812,5	rot	HL26x25	
		32,0	297,0	6,7	1989,9	8,3	2465,1	9,6	2851,2		HL26x32	
		38,0	219,0	8,0	1752,0	9,9	2168,1	11,0	2409,0		HL26x38	
		44,0	187,0	9,2	1720,4	11,5	2150,5	13,0	2431,0		HL26x44	
		51,0	156,0	10,7	1669,2	13,3	2074,8	15,0	2340,0		HL26x51	
		64,0	123,0	13,4	1648,2	16,6	2041,8	19,0	2337,0		HL26x64	
		76,0	99,0	16,0	1584,0	19,8	1960,2	23,0	2277,0		HL26x76	
		89,0	84,0	18,7	1570,8	23,1	1940,4	27,0	2268,0		HL26x89	
		102,0	73,0	21,4	1562,2	26,5	1934,5	31,0	2263,0		HL26x102	
		115,0	65,0	24,2	1573,0	30,0	1950,0	35,0	2275,0		HL26x115	
		127,0	57,7	26,7	1540,6	33,0	1904,1	38,0	2192,6		HL26x127	
		139,0	52,7	29,2	1538,8	36,1	1902,5	42,0	2213,4		HL26x139	
		152,0	47,8	32,0	1529,6	39,5	1888,1	46,0	2198,8		HL26x152	
		178,0	41,0	37,4	1533,4	46,3	1898,3	53,0	2173,0		HL26x178	
		203,0	35,8	42,6	1525,1	52,8	1890,2	61,0	2183,8		HL26x203	
305,0	22,9	64,0	1465,6	79,3	1816,0	91,0	2083,9	HL26x305				

# Stempelfedern

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Baugrößen			1.8159 Federstahldraht verg. - Feder-Wege und -Kräfte								Bestelldaten	
D <sub>h</sub> mm	D <sub>d</sub> mm	L <sub>0</sub> mm	R N/mm	s <sub>1</sub> mm	F <sub>1</sub> N	s <sub>2</sub> mm	F <sub>2</sub> N	s <sub>max</sub> mm	F <sub>max</sub> N	Farbe	Artikel Nr.	
32,00	16,00	38,0	388,0	8,0	3104,0	9,9	3841,2	11,0	4268,0	rot	HL32x38	
		44,0	324,0	9,2	2980,8	11,5	3726,0	13,0	4212,0		HL32x44	
		51,0	272,0	10,7	2910,4	13,3	3617,6	15,0	4080,0		HL32x51	
		64,0	212,0	13,4	2840,8	16,6	3519,2	19,0	4028,0		HL32x64	
		76,0	172,0	16,0	2752,0	19,8	3405,6	23,0	3956,0		HL32x76	
		89,0	141,0	18,7	2636,7	23,1	3257,1	27,0	3807,0		HL32x89	
		102,0	122,0	21,4	2610,8	26,5	3233,0	31,0	3782,0		HL32x102	
		115,0	107,0	24,2	2589,4	30,0	3210,0	35,0	3745,0		HL32x115	
		127,0	93,0	26,7	2483,1	33,0	3069,0	38,0	3534,0		HL32x127	
		139,0	86,0	29,2	2511,2	36,1	3104,6	42,0	3612,0		HL32x139	
		152,0	58,0	32,0	2496,0	39,5	3081,0	46,0	3588,0		HL32x152	
		178,0	67,2	37,4	2513,3	46,3	3111,4	53,0	3561,6		HL32x178	
		203,0	59,1	42,6	2517,7	52,8	3120,5	61,0	3605,1		HL32x203	
		254,0	46,4	53,3	2473,1	66,0	3062,4	76,0	3526,4		HL32x254	
305,0	38,0	64,0	2432,0	79,3	3013,4	91,0	3458,0	HL32x305				
40,00	20,00	51,0	350,0	10,7	3745,0	13,3	4655,0	15,0	5250,0	rot	HL40x51	
		64,0	269,0	13,4	3604,6	16,6	4465,4	19,0	5111,0		HL40x64	
		76,0	219,0	16,0	3504,0	19,8	4336,2	23,0	5037,0		HL40x76	
		89,0	190,0	18,7	3553,0	23,1	4389,0	27,0	5130,0		HL40x89	
		102,0	163,0	21,4	3488,2	26,5	4319,5	31,0	5053,0		HL40x102	
		115,0	142,0	24,2	3436,4	30,0	4260,0	35,0	4970,0		HL40x115	
		127,0	128,0	26,7	3417,6	33,0	4224,0	38,0	4864,0		HL40x127	
		139,0	115,0	29,2	3358,0	36,1	4151,5	42,0	4830,0		HL40x139	
		152,0	105,0	32,0	3360,0	39,5	4147,5	46,0	4830,0		HL40x152	
		178,0	89,0	37,4	3328,6	46,3	4120,7	53,0	4717,0		HL40x178	
		203,0	77,0	42,6	3280,2	52,8	4065,6	61,0	4697,0		HL40x203	
		254,0	61,0	53,3	3251,3	66,0	4026,0	76,0	4636,0		HL40x254	
		305,0	51,0	64,0	3264,0	79,3	4044,3	91,0	4641,0		HL40x305	
		50,00	25,00	64,0	413,0	13,4	5534,2	16,6	6855,8		19,0	7847,0
76,0	339,0			16,0	5424,0	19,8	6712,2	23,0	7797,0	HL51x76		
89,0	288,0			18,7	5385,6	23,1	6652,8	27,0	7776,0	HL51x89		
102,0	245,0			21,4	5243,0	26,5	6492,5	31,0	7595,0	HL51x102		
115,0	215,0			24,2	5203,0	30,0	6450,0	35,0	7525,0	HL51x115		
127,0	192,0			26,7	5126,4	33,0	6336,0	38,0	7296,0	HL51x127		
139,0	168,0			29,2	4905,6	36,1	6064,8	42,0	7056,0	HL51x139		
152,0	154,0			32,0	4928,0	39,5	6083,0	46,0	7084,0	HL51x152		
178,0	134,0			37,4	5011,6	46,3	6204,2	53,0	7102,0	HL51x178		
203,0	117,0			42,6	4984,2	52,8	6177,6	61,0	7137,0	HL51x203		
254,0	89,0			53,3	4743,7	66,0	5874,0	76,0	6764,0	HL51x254		
305,0	73,0			64,0	4672,0	79,3	5788,9	91,0	6643,0	HL51x305		