



| Baugrößen | | | 1.8159 Federstahldraht verg. - Feder-Wege und -Kräfte | | | | | | | | Bestelldaten | |
|----------------------|----------------------|----------------------|---|----------------------|---------------------|----------------------|---------------------|------------------------|-----------------------|----------|----------------|--------|
| D _h mm | D _d mm | L ₀ mm | R N/mm | s ₁ mm | F ₁ N | s ₂ mm | F ₂ N | s _{max} mm | F _{max} 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 |
| 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 |
| | | 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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|----------------------|----------------------|----------------------|---|----------------------|---------------------|----------------------|---------------------|------------------------|-----------------------|----------|----------------|
| D _h mm | D _d mm | L ₀ mm | R N/mm | s ₁ mm | F ₁ N | s ₂ mm | F ₂ N | s _{max} mm | F _{max} 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 |
| 40,00 | 20,00 | 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 | |
| | | 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 | rot | HL51x64 |
| | | 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 | | | |