

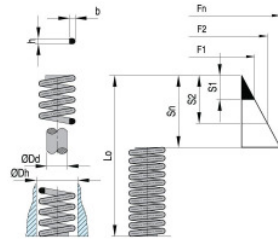
5140 Druckfedern

flachrunder Drahtquerschnitt, Kennfarbe blau

Die springs

flat round wire, colour blue

MSTBtec²



- S1 - lange Lebensdauer / long life
- S2 - mittlere Lebensdauer / medium life
- Sn - max. Arbeitsweg / max. working traverse
- Fn - max. Federkraft / max. spring power
- Lo - unbelastete Länge / unloaded length

Bestellbeispiel / Order example: Dh=16mm; Lo=44mm



Bestell-Nummer / Order number: **5140-16x044**

| b x h | ØDd | Federrate Spring coefficient N/mm | S1 mm | F1 N | S2 mm | F2 N | Sn mm | Fn N | ØDh | Lo | Best.Nr.: Order No: |
|------------|------|---|----------|---------|----------|---------|----------|-------------|-----|-------------|------------------------|
| 1 x 1,8 | 4,5 | 9,8 | 6,3 | 62 | 10,0 | 102 | 12,5 | 125 | 10 | 25 | 5140-10x025 |
| | | 8,4 | 8,0 | 67 | 12,8 | 107 | 16,0 | 133 | | 32 | 5140-10x032 |
| | | 6,7 | 9,5 | 62 | 15,2 | 102 | 19,0 | 129 | | 38 | 5140-10x038 |
| | | 6,0 | 11,0 | 67 | 17,6 | 107 | 22,0 | 133 | | 44 | 5140-10x044 |
| | | 4,9 | 12,8 | 62 | 20,4 | 98 | 25,5 | 125 | | 51 | 5140-10x051 |
| | | 4,2 | 16,0 | 67 | 25,6 | 107 | 32,0 | 133 | | 64 | 5140-10x064 |
| | | 3,2 | 19,0 | 62 | 30,4 | 98 | 38,0 | 120 | | 76 | 5140-10x076 |
| | | 1,1 | 76,3 | 80 | 122,0 | 129 | 152,5 | 160 | | 305 | 5140-10x305 |
| | | 1,32 x 2,4 | 7,0 | 17,5 | 6,3 | 111 | 10,0 | 178 | | 12,5 | 222 |
| 16,1 | 8,0 | | | 129 | 12,8 | 205 | 16,0 | 258 | 32 | 5140-13x032 | |
| 13,3 | 9,5 | | | 129 | 15,2 | 205 | 19,0 | 254 | 38 | 5140-13x038 | |
| 11,9 | 11,0 | | | 133 | 17,6 | 214 | 22,0 | 267 | 44 | 5140-13x044 | |
| 11,2 | 12,8 | | | 142 | 20,4 | 227 | 25,5 | 285 | 51 | 5140-13x051 | |
| 9,1 | 16,0 | | | 147 | 25,6 | 231 | 32,0 | 289 | 64 | 5140-13x064 | |
| 7,0 | 19,0 | | | 133 | 30,4 | 214 | 38,0 | 267 | 76 | 5140-13x076 | |
| 5,3 | 22,3 | | | 116 | 35,6 | 187 | 44,5 | 236 | 89 | 5140-13x089 | |
| 1,4 | 76,3 | | | 107 | 122,0 | 169 | 152,5 | 214 | 305 | 5140-13x305 | |
| 1,75 x 2,8 | 8,5 | 22,8 | 6,3 | 147 | 10,0 | 231 | 12,5 | 288 | 16 | 25 | 5140-16x025 |
| | | 22,4 | 8,0 | 178 | 12,8 | 285 | 16,0 | 356 | | 32 | 5140-16x032 |
| | | 18,9 | 9,5 | 182 | 15,2 | 289 | 19,0 | 360 | | 38 | 5140-16x038 |
| | | 16,8 | 11,0 | 187 | 17,6 | 298 | 22,0 | 374 | | 44 | 5140-16x044 |
| | | 15,4 | 12,8 | 196 | 20,4 | 311 | 25,5 | 391 | | 51 | 5140-16x051 |
| | | 10,5 | 16,0 | 169 | 25,6 | 267 | 32,0 | 334 | | 64 | 5140-16x064 |
| | | 9,8 | 19,0 | 187 | 30,4 | 298 | 38,0 | 374 | | 76 | 5140-16x076 |
| | | 8,4 | 22,3 | 187 | 35,6 | 298 | 44,5 | 374 | | 89 | 5140-16x089 |
| | | 7,7 | 25,5 | 196 | 40,8 | 311 | 51,0 | 391 | | 102 | 5140-16x305 |
| 2,5 | 76,3 | 187 | 122,0 | 298 | 152,5 | 374 | 305 | 5140-16x025 | | | |
| 1,9 x 4,2 | 9,5 | 54,6 | 6,3 | 347 | 10,0 | 556 | 12,5 | 694 | 19 | 25 | 5140-19x025 |
| | | 44,8 | 8,0 | 356 | 12,8 | 569 | 16,0 | 712 | | 32 | 5140-19x032 |
| | | 35,0 | 9,5 | 334 | 15,2 | 534 | 19,0 | 667 | | 38 | 5140-19x038 |
| | | 30,8 | 11,0 | 343 | 17,6 | 547 | 22,0 | 685 | | 44 | 5140-19x044 |
| | | 25,2 | 12,8 | 320 | 20,4 | 512 | 25,5 | 641 | | 51 | 5140-19x051 |
| | | 21,0 | 16,0 | 334 | 25,6 | 534 | 32,0 | 667 | | 64 | 5140-19x064 |
| | | 16,8 | 19,0 | 320 | 30,4 | 512 | 38,0 | 641 | | 76 | 5140-19x076 |
| | | 14,0 | 22,3 | 311 | 35,6 | 498 | 44,5 | 623 | | 89 | 5140-19x089 |
| | | 12,6 | 25,5 | 320 | 40,8 | 512 | 51,0 | 641 | | 102 | 5140-19x102 |
| 11,2 | 28,8 | 320 | 46,0 | 512 | 57,5 | 641 | 115 | 5140-19x115 | | | |
| 9,8 | 31,8 | 311 | 50,8 | 498 | 63,5 | 623 | 127 | 5140-19x127 | | | |
| 8,4 | 34,8 | 294 | 55,6 | 472 | 69,5 | 587 | 139 | 5140-19x139 | | | |
| 7,0 | 38,0 | 267 | 60,8 | 427 | 76,0 | 534 | 152 | 5140-19x152 | | | |
| 4,2 | 76,3 | 320 | 122,0 | 512 | 152,5 | 641 | 305 | 5140-19x305 | | | |
| 2,5 x 5,5 | 12,5 | 93,9 | 6,3 | 596 | 10,0 | 952 | 12,5 | 1164 | 26 | 25 | 5140-26x025 |
| | | 76,4 | 8,0 | 605 | 12,8 | 970 | 16,0 | 1207 | | 32 | 5140-26x032 |
| | | 58,8 | 9,5 | 560 | 15,2 | 899 | 19,0 | 1120 | | 38 | 5140-26x038 |
| | | 50,4 | 11,0 | 560 | 17,6 | 899 | 22,0 | 1103 | | 44 | 5140-26x044 |
| | | 40,6 | 12,8 | 516 | 20,4 | 827 | 25,5 | 1031 | | 51 | 5140-26x051 |
| | | 35,0 | 16,0 | 556 | 25,6 | 890 | 32,0 | 1112 | | 64 | 5140-26x064 |
| | | 26,6 | 19,0 | 507 | 30,4 | 810 | 38,0 | 1014 | | 76 | 5140-26x076 |
| | | 22,4 | 22,3 | 498 | 35,6 | 801 | 44,5 | 996 | | 89 | 5140-26x089 |
| | | 21,0 | 25,5 | 534 | 40,8 | 854 | 51,0 | 1068 | | 102 | 5140-26x102 |
| 18,2 | 28,8 | 520 | 46,0 | 832 | 57,5 | 1040 | 115 | 5140-26x115 | | | |
| 16,8 | 31,8 | 534 | 50,8 | 854 | 63,5 | 1068 | 127 | 5140-26x127 | | | |
| 15,4 | 34,8 | 538 | 55,6 | 863 | 69,5 | 1076 | 139 | 5140-26x139 | | | |
| 14,0 | 38,0 | 534 | 60,8 | 854 | 76,0 | 1068 | 152 | 5140-26x152 | | | |
| 12,6 | 44,5 | 560 | 71,2 | 899 | 89,0 | 1120 | 178 | 5140-26x178 | | | |
| 9,8 | 50,8 | 498 | 81,2 | 801 | 101,5 | 996 | 203 | 5140-26x203 | | | |
| 7,0 | 76,3 | 534 | 122,0 | 854 | 152,5 | 1068 | 305 | 5140-26x305 | | | |

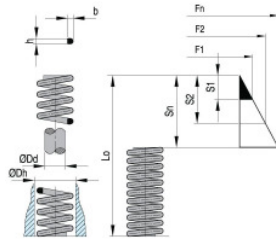
5140 Druckfedern

flachrunder Drahtquerschnitt, Kennfarbe blau

Die springs

flat round wire, colour blue

MSTBtec²



- S1 - lange Lebensdauer / long life
- S2 - mittlere Lebensdauer / medium life
- Sn - max. Arbeitsweg / max. working traverse
- Fn - max. Federkraft / max. spring power
- Lo - unbelastete Länge / unloaded length

Bestellbeispiel / Order example: Dh=16mm; Lo=44mm



Bestell-Nummer / Order number: **5140-16x044**

| b x h | ØDd | Federrate Spring coefficient N/mm | S1 mm | F1 N | S2 mm | F2 N | Sn mm | Fn N | ØDh | Lo | Best.Nr.: Order No: | | | |
|----------|------|---|----------|---------|----------|---------|----------|---------|------|-------------|------------------------|----|----|-------------|
| 4 x 7,2 | 15,5 | 86,9 | 9,5 | 827 | 15,2 | 1326 | 19,0 | 1654 | 32 | 38 | 5140-32x038 | | | |
| | | 74,3 | 11,0 | 823 | 17,6 | 1317 | 22,0 | 1650 | | 44 | 5140-32x044 | | | |
| | | 61,6 | 12,8 | 783 | 20,4 | 1254 | 25,5 | 1565 | | 51 | 5140-32x051 | | | |
| | | 50,4 | 16,0 | 801 | 25,6 | 1281 | 32,0 | 1601 | | 64 | 5140-32x064 | | | |
| | | 42,0 | 19,0 | 801 | 30,4 | 1281 | 38,0 | 1601 | | 76 | 5140-32x076 | | | |
| | | 35,0 | 22,3 | 778 | 35,6 | 1246 | 44,5 | 1557 | | 89 | 5140-32x089 | | | |
| | | 30,8 | 25,5 | 783 | 40,8 | 1254 | 51,0 | 1566 | | 102 | 5140-32x102 | | | |
| | | 28,0 | 28,8 | 801 | 46,0 | 1281 | 57,5 | 1601 | | 115 | 5140-32x115 | | | |
| | | 23,8 | 31,8 | 756 | 50,8 | 1210 | 63,5 | 1512 | | 127 | 5140-32x127 | | | |
| | | 22,4 | 34,8 | 783 | 55,6 | 1254 | 69,5 | 1566 | | 139 | 5140-32x139 | | | |
| | | 21,0 | 38,0 | 801 | 60,8 | 1281 | 76,0 | 1601 | | 152 | 5140-32x152 | | | |
| | | 18,2 | 44,5 | 810 | 71,2 | 1294 | 89,0 | 1619 | | 178 | 5140-32x178 | | | |
| | | 15,4 | 50,8 | 783 | 81,2 | 1254 | 101,5 | 1566 | | 203 | 5140-32x203 | | | |
| | | 12,6 | 63,5 | 801 | 101,6 | 1281 | 127,0 | 1601 | | 254 | 5140-32x254 | | | |
| | | 9,8 | 76,3 | 747 | 122,0 | 1197 | 152,5 | 1495 | | 305 | 5140-32x305 | | | |
| | | 3,5 x 8,8 | 19 | 78,5 | 12,8 | 996 | 20,4 | 1592 | | 25,5 | 1993 | 38 | 51 | 5140-38x051 |
| 64,4 | 16,0 | | | 1023 | 25,6 | 1637 | 32,0 | 2046 | 64 | 5140-38x064 | | | | |
| 58,8 | 19,0 | | | 1121 | 30,4 | 1793 | 38,0 | 2242 | 76 | 5140-38x076 | | | | |
| 46,2 | 22,3 | | | 1028 | 35,6 | 1646 | 44,5 | 2055 | 89 | 5140-38x089 | | | | |
| 37,8 | 25,5 | | | 961 | 40,8 | 1539 | 51,0 | 1922 | 102 | 5140-38x102 | | | | |
| 36,4 | 28,8 | | | 1041 | 46,0 | 1664 | 57,5 | 2082 | 115 | 5140-38x115 | | | | |
| 35,0 | 31,8 | | | 1112 | 50,8 | 1779 | 63,5 | 2224 | 127 | 5140-38x127 | | | | |
| 29,4 | 34,8 | | | 1028 | 55,6 | 1646 | 69,5 | 2055 | 139 | 5140-38x139 | | | | |
| 25,2 | 38,0 | | | 961 | 60,8 | 1539 | 76,0 | 1922 | 152 | 5140-38x152 | | | | |
| 23,8 | 44,5 | | | 1059 | 71,2 | 1695 | 89,0 | 2117 | 178 | 5140-38x178 | | | | |
| 22,4 | 50,8 | | | 1139 | 81,2 | 1824 | 101,5 | 2277 | 203 | 5140-38x203 | | | | |
| 15,4 | 63,5 | | | 979 | 101,6 | 1566 | 127,0 | 1957 | 254 | 5140-38x254 | | | | |
| 14,0 | 76,3 | | | 1068 | 122,0 | 1708 | 152,5 | 2135 | 305 | 5140-38x305 | | | | |
| 5 x 12,0 | 25 | | | 156,9 | 16,0 | 2491 | 25,6 | 3986 | 32,0 | 4982 | 51 | | 64 | 5140-51x064 |
| | | | | 134,5 | 19,0 | 2562 | 30,4 | 4101 | 38,0 | 5124 | | | 76 | 5140-51x076 |
| | | | | 113,5 | 22,3 | 2522 | 35,6 | 4035 | 44,5 | 5044 | | | 89 | 5140-51x089 |
| | | 96,7 | 25,5 | 2455 | 40,8 | 3928 | 51,0 | 4910 | 102 | 5140-51x102 | | | | |
| | | 82,7 | 28,8 | 2362 | 46,0 | 3781 | 57,5 | 4724 | 115 | 5140-51x115 | | | | |
| | | 72,9 | 31,8 | 2313 | 50,8 | 3701 | 63,5 | 4626 | 127 | 5140-51x127 | | | | |
| | | 68,6 | 34,8 | 2398 | 55,6 | 3834 | 69,5 | 4795 | 139 | 5140-51x139 | | | | |
| | | 61,6 | 38,0 | 2349 | 60,8 | 3759 | 76,0 | 4697 | 152 | 5140-51x152 | | | | |
| | | 54,6 | 44,5 | 2429 | 71,2 | 3888 | 89,0 | 4857 | 178 | 5140-51x178 | | | | |
| | | 44,8 | 50,8 | 2277 | 81,2 | 3643 | 101,5 | 4555 | 203 | 5140-51x203 | | | | |
| | | 36,4 | 63,5 | 2313 | 101,6 | 3701 | 127,0 | 4626 | 254 | 5140-51x254 | | | | |
| | | 29,4 | 76,3 | 2242 | 122,0 | 3585 | 152,5 | 4484 | 305 | 5140-51x305 | | | | |