



**OIL HARDENED & TEMPERED SPRING STEEL WIRE TO EN 10270-2: 2001**

**Tensile Strength for Wire Grades FDC, FDCrV AND FDSiCr**

Nominal Wire Dia. (mm)	Permissible Deviations (mm)	Tensile Strength		
		FDC MPa	FDCrV MPa	FDSiCr MPa
$d = 0,50$	$\pm 0,010$	1900 to 2100	2000 to 2200	2100 to 2300
$0,50 < d \leq 0,60$		1900 to 2100	2000 to 2200	2100 to 2300
$0,60 < d \leq 0,80$		1900 to 2100	2000 to 2200	2100 to 2300
$0,80 < d \leq 1,00$	$\pm 0,015$	1860 to 2060	1960 to 2160	2100 to 2300
$1,00 < d \leq 1,30$	$\pm 0,020$	1810 to 2010	1900 to 2100	2070 to 2260
$1,30 < d \leq 1,40$		1790 to 1970	1870 to 2070	2060 to 2250
$1,40 < d \leq 1,60$		1760 to 1940	1840 to 2030	2040 to 2220
$1,60 < d \leq 2,00$	$\pm 0,025$	1720 to 1890	1790 to 1970	2000 to 2180
$2,00 < d \leq 2,50$		1670 to 1820	1750 to 1900	1970 to 2140
$2,50 < d \leq 2,70$		1640 to 1790	1720 to 1870	1950 to 2120
$2,70 < d \leq 3,00$	$\pm 0,030$	1620 to 1770	1700 to 1850	1930 to 2100
$3,00 < d \leq 3,20$		1600 to 1750	1680 to 1830	1910 to 2080
$3,20 < d \leq 3,50$		1580 to 1730	1660 to 1810	1900 to 2060
$3,50 < d \leq 4,00$	$\pm 0,035$	1550 to 1700	1620 to 1770	1870 to 2030
$4,00 < d \leq 4,20$		1540 to 1690	1610 to 1760	1860 to 2020
$4,20 < d \leq 4,50$		1520 to 1670	1590 to 1740	1850 to 2000
$4,50 < d \leq 4,70$	$\pm 0,035$	1510 to 1600	1580 to 1730	1840 to 1990
$4,70 < d \leq 5,00$		1500 to 1650	1560 to 1710	1830 to 1980
$5,00 < d \leq 5,60$		1470 to 1620	1540 to 1690	1800 to 1950
$5,60 < d \leq 6,00$	$\pm 0,040$	1460 to 1610	1520 to 1670	1780 to 1930
$6,00 < d \leq 6,50$		1440 to 1590	1510 to 1660	1760 to 1910
$6,50 < d \leq 7,00$		1430 to 1580	1500 to 1650	1740 to 1890
$7,00 < d \leq 8,00$	$\pm 0,045$	1400 to 1550	1480 to 1630	1710 to 1860
$8,00 < d \leq 8,50$		1380 to 1530	1470 to 1620	1700 to 1850
$8,50 < d \leq 10,00$	$\pm 0,050$	1360 to 1510	1450 to 1600	1660 to 1810
$10,00 < d \leq 12,00$	$\pm 0,070$	1320 to 1470	1430 to 1580	1620 to 1770
$12,00 < d \leq 14,00$	$\pm 0,080$	1280 to 1430	1420 to 1570	1580 to 1730
$14,00 < d \leq 15,00$		1270 to 1420	1410 to 1560	1570 to 1720
$15,00 < d \leq 17,00$	$\pm 0,090$	1250 to 1400	1400 to 1550	1550 to 1700