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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	± 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	± 0,015	1860 to 2060	1960 to 2160	2100 to 2300
1,00 < $d \leq$ 1,30	± 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	± 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	± 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		1550 to 1700	1620 to 1770	1870 to 2030
4,00 < $d \leq$ 4,20	± 0,035	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		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	± 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	± 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	± 0,050	1360 to 1510	1450 to 1600	1660 to 1810
10,00 < $d \leq$ 12,00	± 0,070	1320 to 1470	1430 to 1580	1620 to 1770
12,00 < $d \leq$ 14,00	± 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	± 0,090	1250 to 1400	1400 to 1550	1550 to 1700

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