

Acciaio zincato al carbonio EN 10270/1 SM-SH-DH; UNI3823/75 cl. B/C; DIN17223 cl. B/C

Filo acciaio al carbonio zincato, per molle di compressione, trazione, torsione e anelli.

Composizione Chimica secondo EN10270-1:

C	Si	Mn	P	S	
0.35-1.00	0.10-0.30	0.50-1.20	0.02-0.035	0.025-0.035	
Densità	Modulo di Elasticità E		Modulo di Elasticità tangenziale G		Temperatura di lavoro
7.85 Kg/dm ³	206 KN/mm ²		81.5 KN/mm ²		-30 +100 °C

Resistenza a trazione:

Ø mm	Toll Ø ±	Res N/mm ² SM	Res N/mm ² SH-DH	Ø mm	Toll Ø ±	Res N/mm ² SM	Res N/mm ² SH-DH
0.30	0.008	2370/2650	2660/2940	1.90	0.025	1770/1990	2000/2220
0.35	0.008	2330/2600	2610/2890	2.00	0.025	1760/1970	1980/2200
0.40	0.008	2270/2550	2560/2830	2.20	0.025	1720/1930	1940/2150
0.45	0.008	2240/2500	2510/2780	2.40	0.025	1700/1910	1920/2130
0.50	0.008	2200/2470	2480/2740	2.50	0.025	1690/1890	1900/2110
0.60	0.008	2140/2400	2410/2670	2.60	0.025	1670/1880	1890/2100
0.65	0.010	2120/2370	2380/2640	2.80	0.030	1650/1850	1860/2070
0.70	0.010	2090/2350	2360/2610	3.00	0.030	1630/1830	1840/2040
0.75	0.010	2070/2320	2330/2580	3.20	0.030	1610/1810	1820/2020
0.80	0.015	2050/2300	2310/2560	3.40	0.030	1590/1780	1790/1990
0.85	0.015	2030/2280	2290/2530	3.50	0.030	1580/1770	1780/1980
0.90	0.015	2010/2260	2270/2510	3.60	0.030	1570/1760	1770/1970
1.00	0.015	1980/2220	2230/2470	3.80	0.030	1550/1740	1750/1950
1.10	0.020	1950/2190	2200/2430	4.00	0.030	1530/1730	1740/1930
1.20	0.020	1920/2160	2170/2400	4.10	0.030	1530/1730	
1.30	0.020	1900/2130	2140/2370	4.20	0.030	1530/1730	
1.40	0.020	1870/2100	2110/2340	4.50	0.035	1500/1680	1690/1880
1.50	0.020	1850/2080	2090/2310	5.00	0.035	1460/1650	1660/1840
1.60	0.020	1830/2050	2060/2290	5.30	0.035	1440/1630	1640/1820
1.70	0.020	1810/2030	2040/2260	5.50	0.035	1440/1630	
1.80	0.025	1790/2010	2020/2240	6.00	0.040	1400/1580	1590/1770