

BONNEL



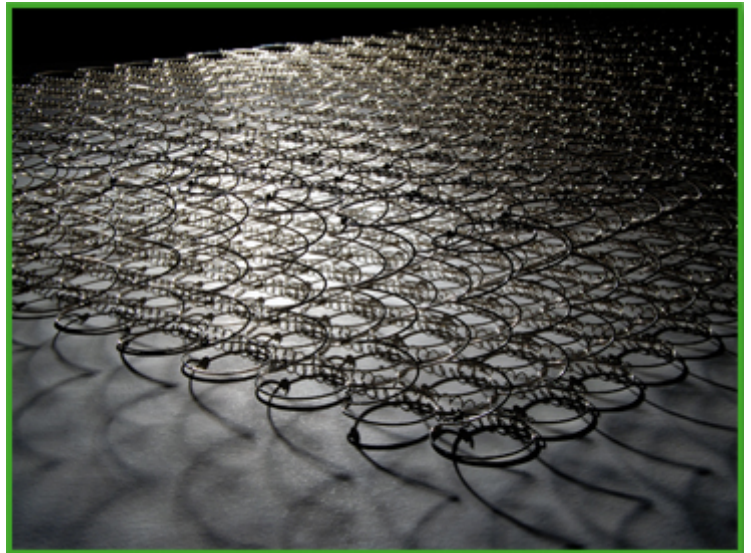
PRODUCT DESCRIPTION

Traditional tied biconical springs' system in which the springs are automatically connected with a coiled steel wire.

According to the number of springs inserted (93springs/m² to 136springs/m²) and to the diameter of wire used for construction of the individual spring (2.00-2.20-2.40mm) and different degree of rigidity can be obtained.

The height of springs varies from a minimum of 7cm to a maximum of 14cm, including the 11cm intermediate size.

This structure can be further on reinforced with the application of a perimetral steel frame.



SPRING STEEL WIRE

MATERIAL	DIMENSION	DIMENSIONAL TOLERANCES	MECHANICAL AND TECHNOLOGICAL FEATURES	
DESIGNATION	WIRE DIAMETER (mm)	SHIFTING LIMIT (mm)	TENSILE STRENGTH N/mm ²	Kgf//mm ²
WIRE 2.0	2.00	± 0.030	1720 ÷ 1970	175 ÷ 200
WIRE 2.2	2.20	± 0.030	1720 ÷ 1970	175 ÷ 200
WIRE 2.4	2.40	± 0.030	1720 ÷ 1970	175 ÷ 200

CHEMICAL ANALYSIS			SHIFTINGS ALLOWED
CARBON	C	0.70%	± 0.04%
MANGANESE	Mn	0.55%	± 0.04%
SILICON	Si	0.25%	± 0.03%
PHOSPHORUS	P	0.010%	± 0.005%
SULPHUR	S	0.015%	± 0.005%

HELICAL STEEL WIRE

MATERIAL	DIMENSION	DIMENSIONAL TOLERANCES	MECHANICAL AND TECHNOLOGICAL FEATURES	
DESIGNATION	WIRE DIAMETER (mm)	SHIFTING LIMIT (mm)	TENSILE STRENGTH N/mm ²	Kgf//mm ²
WIRE 1.3	1.30	± 0.020	1670 ÷ 1970	170 ÷ 200

CHEMICAL ANALYSIS			SHIFTINGS ALLOWED
CARBON	C	0.45%	± 0.04%
MANGANESE	Mn	0.60%	± 0.04%
SILICON	Si	0.25%	± 0.03%
PHOSPHORUS	P	0.010%	± 0.005%
SULPHUR	S	0.015%	± 0.005%