

AIR SUSPENSION



PRODUCT DESCRIPTION

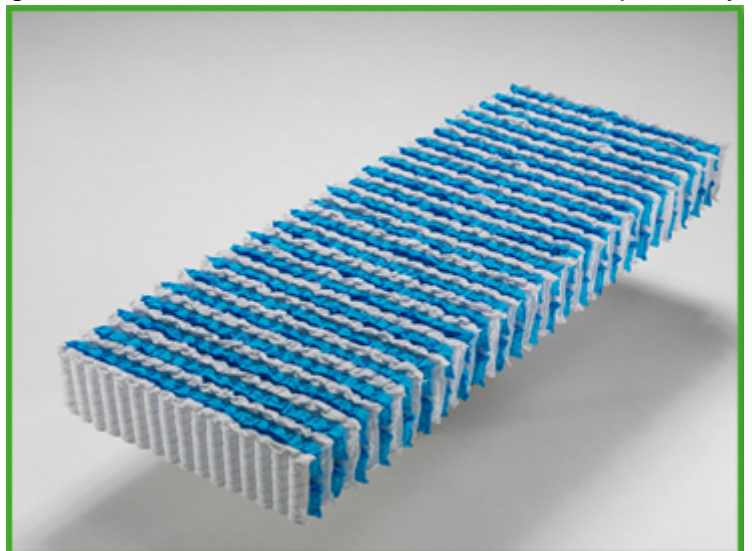
“AIR SUSPENSION” the new dimension of rest. Structure microsprints active (example 1.500 coils single – 3.000 coils double) with independent movement that respond in a timely manner to the pressure exerted by the human body, thus managing to get really great anatomical and ergonomic solutions.

The microsprints, which are individually pocketed and joined together by connecting thermally welded points, guarantee the independence and the noiseless movement of each spring, therefore allowing the body to fit itself to every single position it takes while sleeping: in fact springs work independently and while doing this, they wind round the spine and help to balance the pressures.

The structure of the spring is 18 cm, the microsprints with diameter 1.20 height 18 cm. are arranged alternately with 2 microsprints height 6,5 cm. With wire diameter 1.10; this specificity allows the body to mold perfectly according to the weight distribution and at the same time to receive the proper support due to the pressure of reaction that gives each spring by nature.

This structure is composed of springs to barrel, linked together by hot glue in the center.

Every single spring is subjected to a thermic treatment at intervals included between 260°C and 300°C, which allows to avoid unpleasant problems concerning sinking of the mattress during its useful life.



TECHNICAL FEATURES OF MATERIALS

WIRE Phosphated steel wire C45

MATERIAL	DIMENSION	DIMENSIONAL TOLERANCES	MECHANICAL AND TECHNOLOGICAL FEATURES	
DESIGNATION	WIRE DIAMETER (mm)	SHIFTING LIMIT (mm)	TENSILE STRENGTH N/mm ²	Kgf//mm ²
WIRE 1.1	1.10	± 0.020	1670 ÷ 1970	170 ÷ 200
WIRE 1.2	1.20	± 0.020	1670 ÷ 1970	170 ÷ 200

FABRIC

White “needled” felt (80% polypropilene – 20% polyester fiber)

GLUE

Ecomelt hot melt glue at limited open time; nontoxic and nonflammable

SPECIFICATION

SPRING		SPRING-UNIT	
SHAPE	Barrel shaped	COURSE OF STRANDS	Alternate
N° OF TURNS	8,5/6,5	BAGS CONNECTING-SYSTEM	ultra-sonic welded
HEIGHT	18/6,5	STRANDS CONNECTING-SYSTEM	by hot melt
COIL DIAMETER	30/32 mm	COUNTCOILS	aprox 930