



NANO
S P R I N G S

EXPLORE - FUTURE - SPRING - TECHNOLOGIES



COMPANY

As a result of 15 years work experiences we founded in 2013 with innovative mind. From the beginning we always invested for latest technology production machines and qualified personnel training and innovations.

NANO SPRINGS is located in Bursa Nilüfer Industrial Zone with 8000m² closed area and more than 90 employees. Today NANO has taken place among the world leading spring manufacturers with wide range of products and services and exporting over 25 countries in the World.

NANO has always made principle to works for %100 customer satisfaction. As a result of that we promise to improve our customers' businnes with our experiences. On this aim we will continue investments without sacrificing quality service and products while understanding the demands of our global customer portfolio.

MISSION

NANO SPRINGS is committed to customer base, work and workmanship, workmanship and public opinion. Being a global reclamer, constantly believing in philosophy, having dynamic, high quality standards.

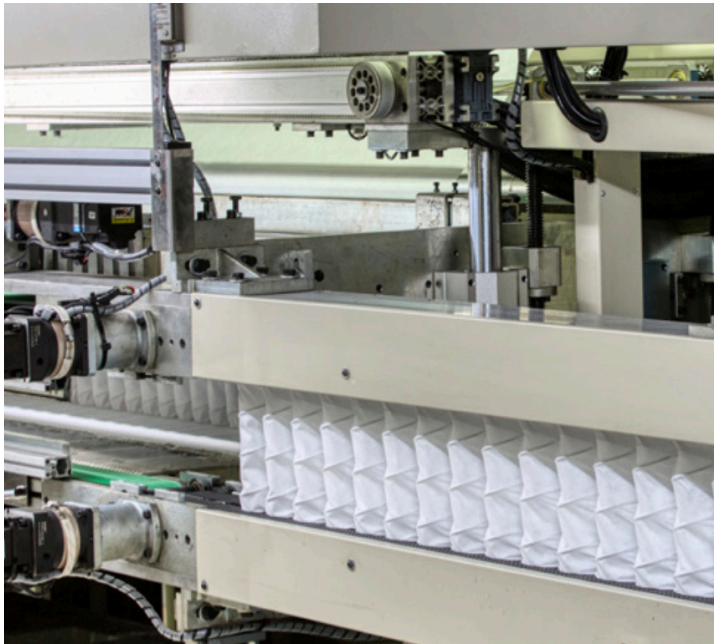
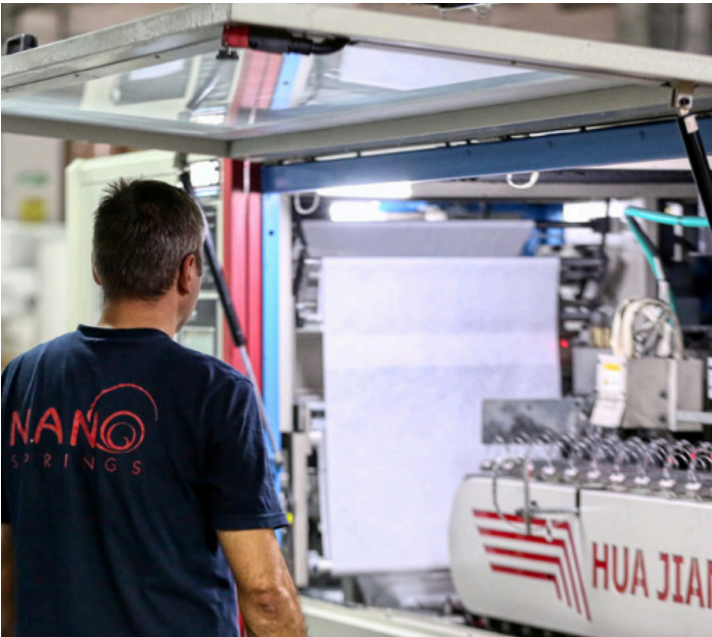
VISION

NANO SPRINGS is one of the leaders of the industry in the world and is a company that is a solution partner of beds and furniture manufacturers in the sector.

QUALITY

We make sure that training activities are organized to ensure that quality policy is understood and adopted by all employees. Reassessment of the policy to ensure compliance with market needs and company needs is ensured through periodic management meetings.

In addition to producing products with minimum cost, it is also possible to create high competitive power locally and internationally by making shipments on time and in desired qualities. In addition to this, in every process, continuous improvement, customer and process oriented attitude, environment friendly production is always on the table.





ENVIRONMENT POLICY

At NANO SPRINGS, it is our basic understanding to perform all activities in our facilities which are producing beds and furniture springs in an environmentally sensitive manner. With this belief our principles shall be seen below;

Keeping resource consumption (electricity, water, fuel, etc.) under control in all our processes.

Complying with environmental laws, regulations and other legal provisions to comply with the Ministry of Environment waste management laws. To prevent pollution using environmentally friendly production technologies in the framework of technical and economic possibilities. Recognition and practice of recycling, recovery and reuse.

As part of creating a sustainable environment, we establish and continuously improve our Environmental Management System. To evaluate the impacts on the environment in new projects.

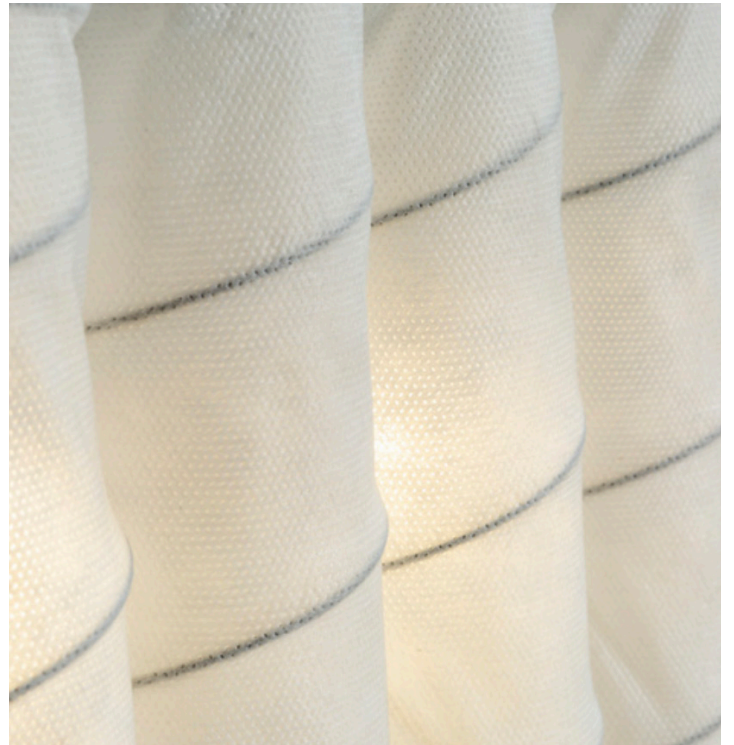
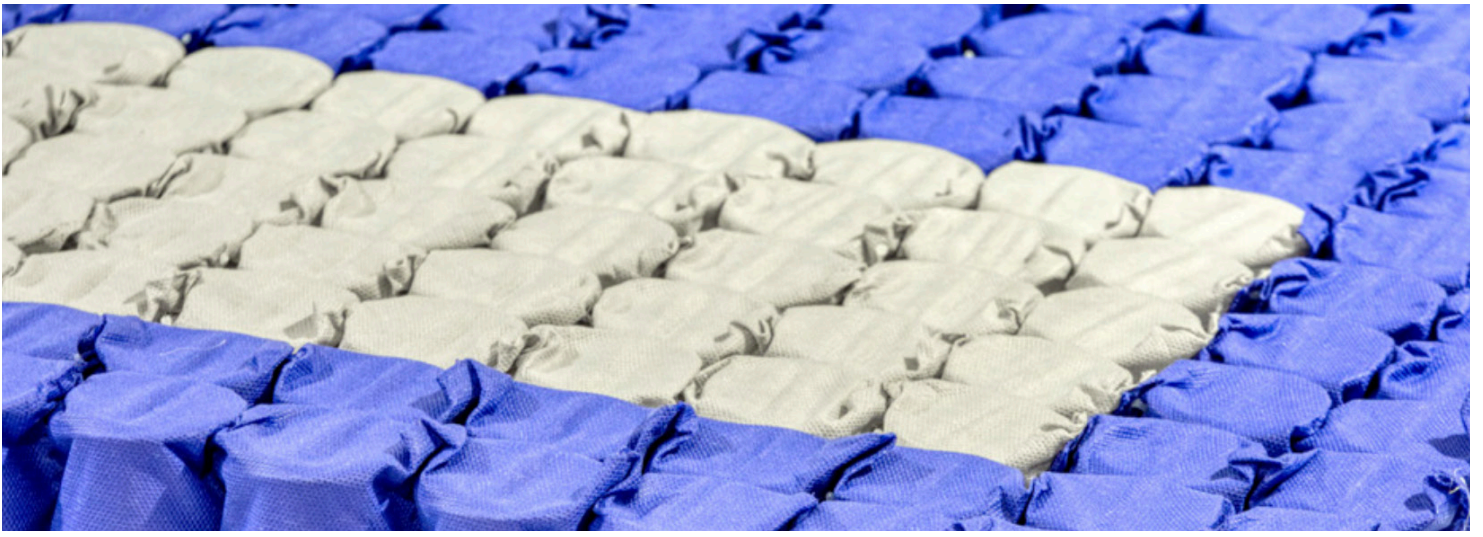
Our purpose while fulfilling these principles is to international value of the circulation; to protect our customers in cooperation with our suppliers and employees, to create an educated society.

HEALTH AND SAFETY

We aim to realize all stages of our production activities in a healthy and safe working environment. As a requirement of our responsibility for the creation of healthy individuals and labor in line with this objective;

Implementing the necessary precautions to prevent occupational accidents and diseases, risk assessment by providing employee participation and attaining an acceptable risk level, using safe equipments and appropriate technologies for a healthy and safe working environment, working on improving these practices we continue to create a culture of work health and safety and make it a way of life.

To meet the legal obligations related to Occupational Health and Safety, & to continuously improve our processes and improve our performance with a proactive approach with our employees and with the employees of the subcontractor / supplier companies where we receive our services for the adoption of our Occupational Health and Safety principles, we aim to develop training and activities constantly.





TABLET POCKET SPRING SYSTEMS

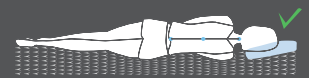
Tablet Pocket Springs identified as a unique filling and support layer, offering unrivalled comfort compared to other materials.

Combined with traditional pocket springs which is increase spring count and create many different type of comfortable and luxury mattresses.

Tablet products encourages blood circulations during sleep in which makes completely refreshed before starts a day.

ADVANTAGES

- Progressive Support
- More spring Count in thin mattress
- High Air Ventilation
- More Hygenic
- Low pressure to body blood circulation during sleep
- Non Sweating Sleep
- Stretch and ultrasonic Welded. No Glue



VENTILATION



WORLD SMALLEST
SPRINGS SYSTEMS

Wire Thickness



1.00 - 1.70 mm

Turns



3 - 5

Height



20 - 40 mm

Spring Diameter



25 - 50 mm

Spring / m²



300 - 1000



STANDARD POCKET SPRING SYSTEMS

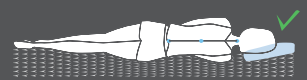
NANO SPRINGS Standart Pocket Spring systems producing by latest technology pocket spring transfer lines to ensure high quality standarts.

ADVANTAGES

The perfect point provides optimum support to the body with the level of flexibility.

In pocket spring systems produced by inserting individual springs into interconnected fabric bags, wires of different diameters and springs of different hardness can be arranged in as many regions as required according to human anatomy.

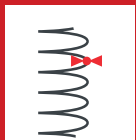
PARALLEL Assembling can be done
 NESTED Assembling can be done
 Can be produced in accordance with special requests
 Can be produced in various zones



VENTILATION

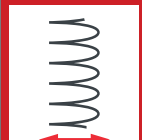


Wire Thickness



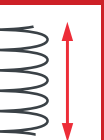
1.30 - 2.20 mm

Spring Diameter



50 - 70 mm

Height



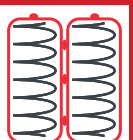
120 - 200 mm

Turns



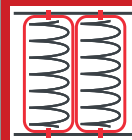
5 - 12

Glueing Type



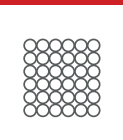
Center or Top&Bottom

Frames



With Flat Frames or Without Frames

Springs / m²



200 - 400

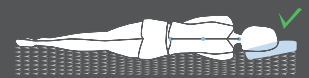


MICRO POCKET SPRING SYSTEMS

Boosts unit resolution and surface coverage whilst providing responsive and superior support all the way to the edge of the bed.

ADVANTAGES

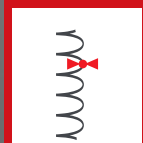
- Coils flex and respond to the individual contours of the body
 - Increased resolution delivers greater surface coverage
 - Extremely supportive with a high degree of comfort
 - Minimize the effect of motion disturbance, which benefits users who share their beds with other individuals
- PARALLEL Assembling can be done
 Nested Assembling can be done
 Can be produced in accordance with special requests
 Can be produced in various zones



VENTILATION

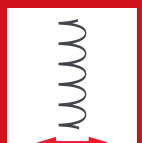


Wire Thickness



1.20 - 1.70 mm

Spring Diameter



35 - 50 mm

Height



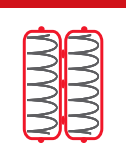
120 - 200 mm

Turns



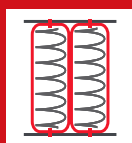
8 - 12

Glueing Type



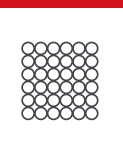
Center or Top&Bottom

Frames

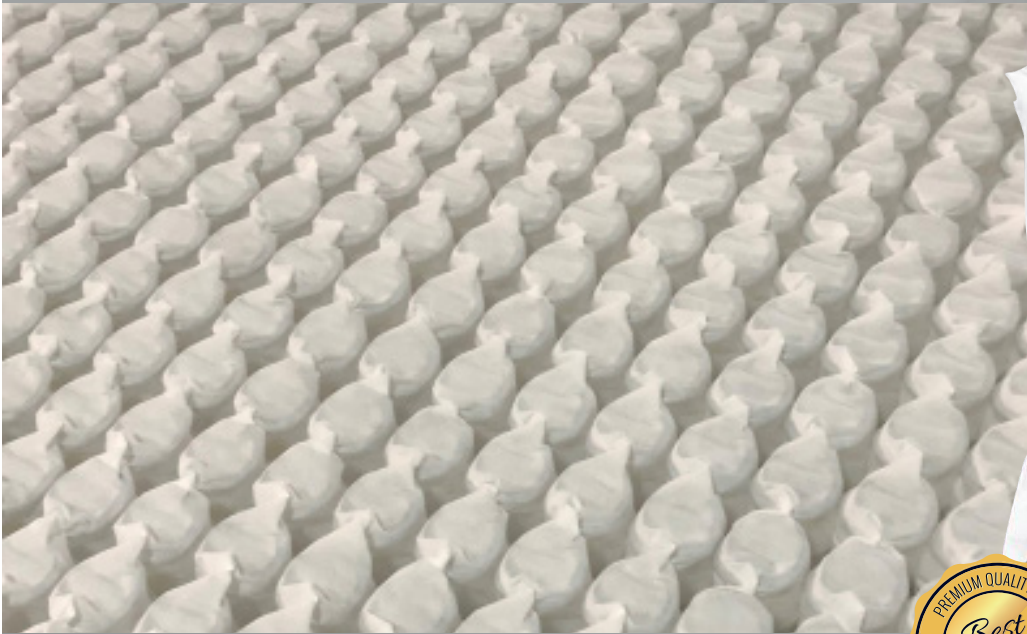


With Flat Frames or Without Frames

Springs / m²



465 - 675



MINI POCKET SPRING SYSTEMS

Mini pocket spring systems are designed to achieve the most ergonomic results thanks to their low height. Combined with Standard or Micro pocket spring systems, the flexibility of the bearings is doubled. It is also suitable for mattress pad, armchair, pillow production thanks to mini structure.

ADVANTAGES

Each spring is ergonomic because it has the ability to move independently of each other and the height is low

Wide range of uses

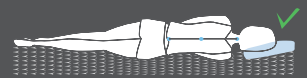
The number of springs per m² can be increased without increasing the bed height

PARALLEL Assembling can be done

Nested Assembling can be done

Can be produced in accordance with special requests

Can be produced in various zones



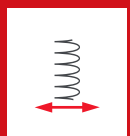
VENTILATION

Wire Thickness



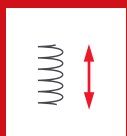
1.50 - 2.00 mm

Spring Diameter



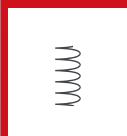
50 - 70 mm

Height



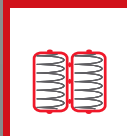
70 - 110 mm

Turns



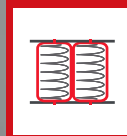
4 - 7

Glueing Type



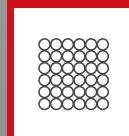
Center or Top&Bottom

Frames

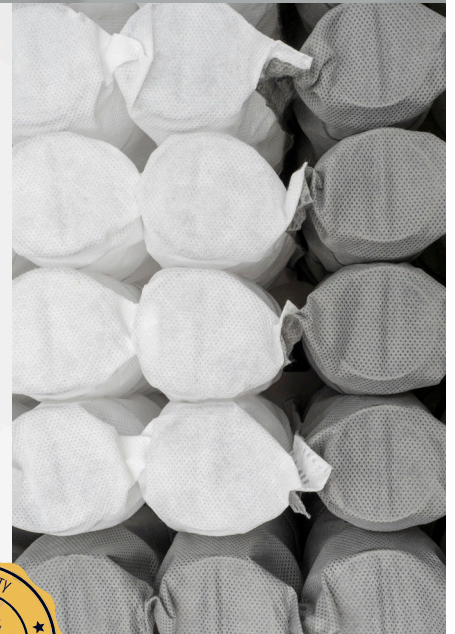
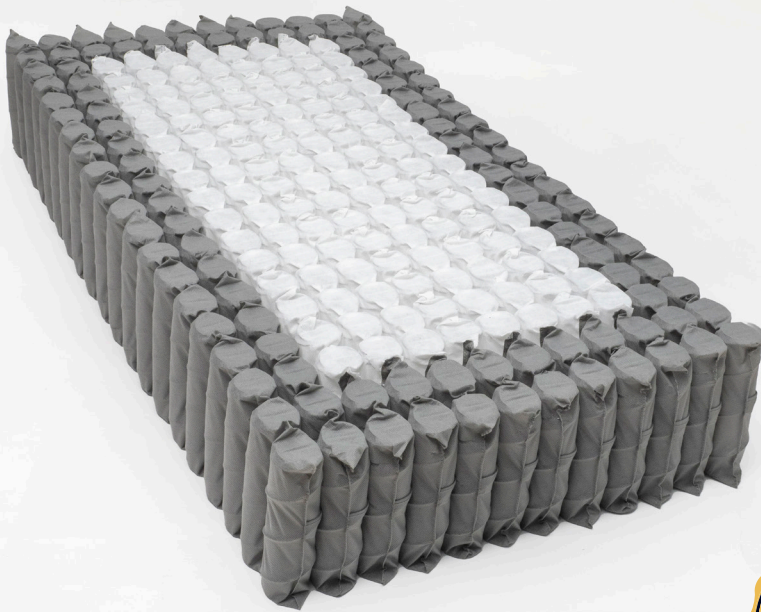


With Flat Frames or Without Frames

Springs / m²



250 - 400



STRONG EDGE POCKET SPRINGS

Strong edge pocket springs are designed to provide firmer support around the edges of a mattress. This helps to prevent sagging and maintains the structural integrity of the mattress perimeter, allowing for better edge support and overall stability.

ADVANTAGES

Cost Saving

With strong edge pocket springs, during mattress production; foam encasement will not be needed. It will allow saving on filling cost and will save you time in the production.

Enhanced Support

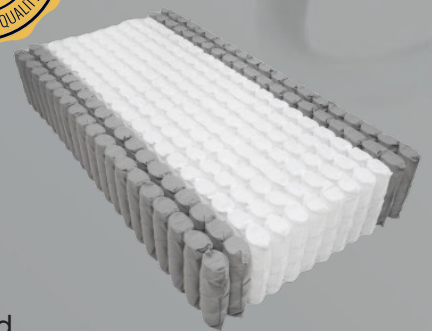
They provide targeted support to different parts of the body, offering superior comfort and aligning with individual body contours. The strong edge construction ensures consistent support across the mattress surface, reducing the chance of roll-off and sagging at the edges.

Stability and Firmness

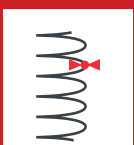
Strong edge pocket springs add stability to the mattress perimeter, allowing for a firmer seating edge. This feature is particularly beneficial for people who sit on the edge of the bed frequently.

Maximized Sleeping Surface

With sturdy edges, the mattress offers a larger usable sleeping surface. This means you can utilize the entire mattress area without experiencing a significant difference in support or comfort from the center to the edges.

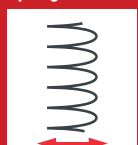


Wire Thickness



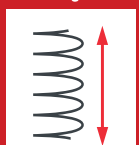
1.20 - 2.20 mm

Spring Diameter



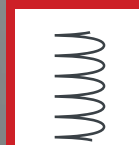
35 - 70 mm

Height



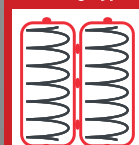
120 - 200 mm

Turns



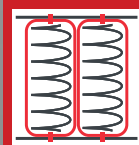
5 - 12

Glueing Type



Center or Top&Bottom

Frames

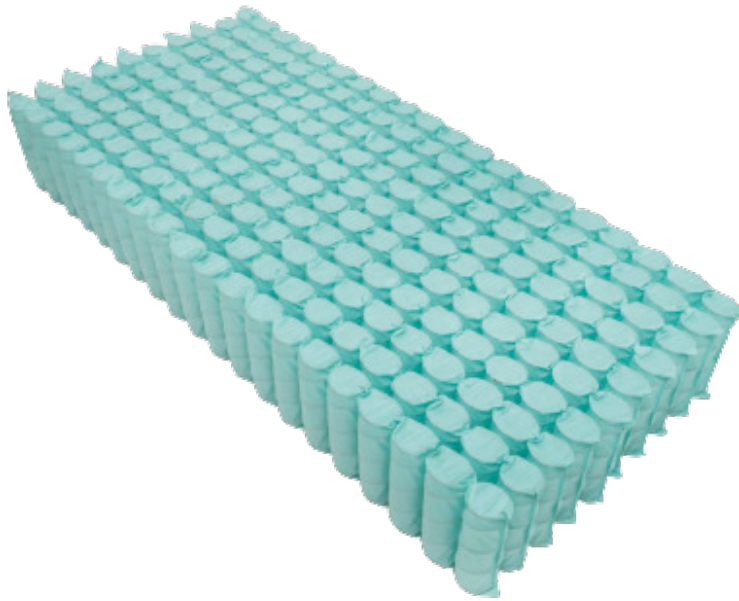


With Flat Frames or Without Frames

Springs / m²



200 - 675



RECYCLED POCKET SPRINGS

Recycling pocket spring systems involves reclaiming materials from used mattresses with pocket spring technology. This contributes to sustainability efforts by reducing waste and promoting the reuse of valuable resources. Proper recycling of pocket spring systems aligns with eco-friendly practices in the mattress industry.

ADVANTAGES

Environmental Conservation

Using recycled materials reduces the need for virgin resources and minimizes waste. It contributes to a circular economy by repurposing materials that might otherwise have been discarded.

Reduced Carbon Footprint

Manufacturing products with recycled materials generally requires less energy compared to producing new materials from scratch. This process results in lower greenhouse gas emissions and helps in mitigating the carbon footprint.

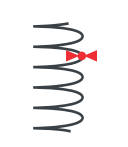
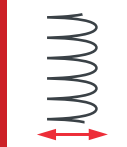
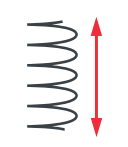

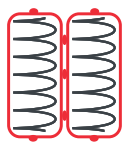
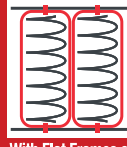

Promotion of Sustainable Practices

Utilizing recycled pocket spring units encourages mattress manufacturers to adopt more sustainable practices, thereby raising awareness and promoting environmentally friendly choices within the industry.

Consumer Appeal

Many environmentally conscious consumers prefer products made from recycled materials. Highlighting the use of recycled pocket spring units can attract consumers who prioritize sustainability and eco-friendly practices in their purchasing decisions.



Wire Thickness	Spring Diameter	Height	Turns	Glueing Type	Frames	Springs / m ²
 1.20 - 2.20 mm	 35 - 70 mm	 120 - 200 mm	 5 - 12	 Center or Top&Bottom	 With Flat Frames or Without Frames	 200 - 675



PADDED POCKET SPRINGS

Padded pocket springs involve adding an extra layer of padding or cushioning material on top of the individual coils in a mattress. This additional padding can enhance comfort, contour to the body, and provide a more luxurious feel to the mattress.

ADVANTAGES

Time Saving

Comes with felt assembly to increase your production speed.

Enhanced Support

The use of felt in pocket springs provides additional stability to the mattress structure. Felt acts as a buffer between the springs, preventing them from shifting or rubbing against each other.

Improved Durability

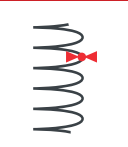
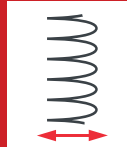
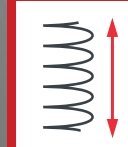


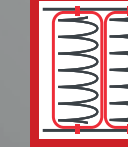

Felt reinforcement can enhance the overall durability of the pocket spring unit. It helps to evenly distribute weight across the mattress, potentially extending the lifespan of the mattress.

Motion Isolation

These felt-assembled pocket spring units can contribute to better motion isolation by providing a layer between the springs. This minimizes the transfer of movement across the mattress, ensuring that movements on one side are less likely to disturb the other side, promoting better sleep for couples or partners.

Edge Support

Felt reinforcement can contribute to better support, preventing sagging and providing a more consistent and supportive surface across the entire mattress.

Wire Thickness	Spring Diameter	Height	Turns	Glueing Type	Insulator Pad	Springs / m ²
						
1.20 - 2.20 mm	35 - 70 mm	120 - 200 mm	5 - 12	Center or Top&Bottom	Top & Bottom	200 - 675



DOUBLE DECKER-PADDED POCKET SPRINGS

Double Decker pocket springs's configuration aims to enhance support, responsiveness, and comfort by incorporating two layers of spring systems within the mattress structure.

These can be produced as both padded or not padded according to your needs.

ADVANTAGES

Enhanced Support and Comfort:

This construction allows for better weight distribution and adapts more effectively to various body contours.

Customized Firmness and Support

Allows mattress manufacturers to customize firmness levels by combining different types of springs in each layer.

Targeted Pressure Relief

The combination of two decks of pocket springs provides better pressure relief by offering varying levels of support to different parts of the body.

Reduced Motion Transfer

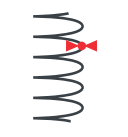
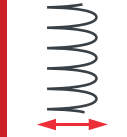
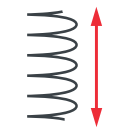

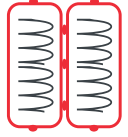
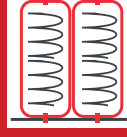
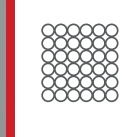
Each layer of pocket springs works independently, dampening movement and reducing disturbances caused by the motion of a sleeping partner.

Increased Durability

By distributing weight across multiple layers of springs, it reduces the strain on individual springs, potentially extending the lifespan of the mattress.

Improved Airflow and Temperature Regulation

With two layers of springs, there's increased ventilation, helping to regulate temperature and create a cooler sleep surface.

Wire Thickness	Spring Diameter	Height	Turns	Glueing Type	Insulator Pad	Springs / m ²
						
1.20 - 2.20 mm	35 - 70 mm	120 - 200 mm	5 - 12	Center or Top&Bottom	Top & Bottom	433-1333



EXTRA HIGH POCKET SPRINGS

Extra-tall pocket springs refer to the elongated, individual coils in a mattress that provide support. These longer springs are designed to offer enhanced comfort and better weight distribution for a more supportive sleep surface.

ADVANTAGES

Cost Saving


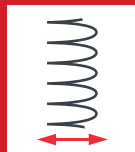
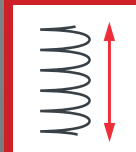
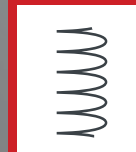

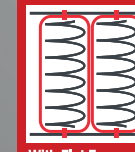
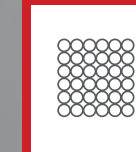
Higher pocket springs will allow saving on filling cost and will also save you time in the production.

Optimized Support

The increased height of these pocket springs allows for more coil turns within each spring. This results in higher support as they can contour more precisely to the body's curves, providing better weight distribution and support across different pressure points.

Enhanced Comfort

With additional coil turns, extra high pocket springs offer a more responsive and adaptable sleeping surface. This responsiveness can contribute to improved comfort by offering a greater level of cushioning and contouring to the body's shape.

Wire Thickness	Spring Diameter	Height	Turns	Glueing Type	Frames	Springs / m ²
 1.70 - 2.20 mm	 50 - 70 mm	 200 - 240 mm	 7 - 9 mm	 Center or Top&Bottom	 With Flat Frames or Without Frames	 220 - 400



BONNELL UNITS SPRING SYSTEMS

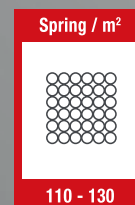
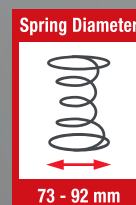
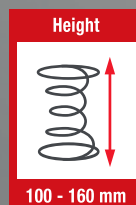
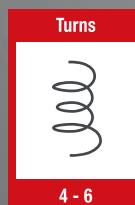
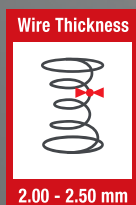
Bonnell Spring is the oldest spring type technology and is currently widely used in the entry-level spring mattresses.

Bonnell springs are hourglass-shaped and the ends of the wire are knotted or wrapped around the top and bottom circular portion of the coil and self-tied.

All the individual spring are then tied together using spring wire and the completed structure is reinforced with a strong border wire to retain shape.

ADVANTAGES

- Most economic systems
- Suitable for orthopedic mattresses production
- Traditional and long last spring systems
- Wide range of uses



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