



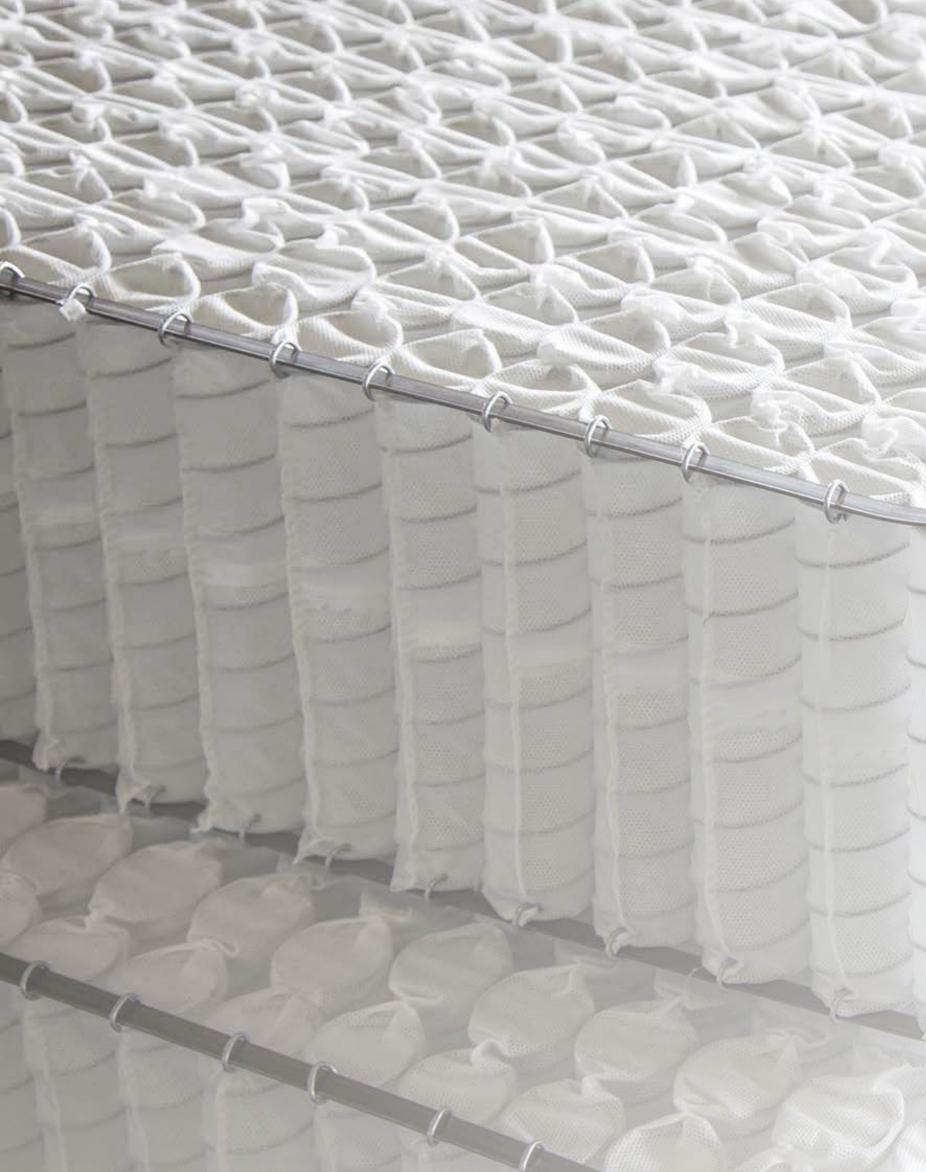


Specializing in production of pocket springs, ZebSprings was founded in 2017 to be the innovative and customized solution partner for the mattress, bedding, specialty sleep and sitting products industries.

ZebSprings is able to offer wide range of pocket spring products with its up to date machinery park and experienced management, marketing and technical staff.

Located in Kayseri city of Turkey, ZebSprings continues its operations on total 9000 m² of covered area at two facilities, one of which is in free trade zone of the city to give service mainly for export markets.

Focusing on manufacturing the best matching comfort level for designs of its customers, ZebSprings aims to be a globally preferred key industry supplier.



ZebSprings is a registered trade mark of Zeb Metal LTD, which is a group company of Anadolu Boru, manufacturer of welded steel tubes. Anadolu Boru, with its subsidiaries Anatel Metal and Zeb Metal, has been a significant supplier to furniture, housewares and metal fabrication industries since 1998 offering the following product groups. Welded steel tubes High strength steel tubes Steel sheet and strip

- Cold drawn steel wire with bright and normal surface
- High carbon grade steel wire
- Furniture fitting elements
- Pocket spring systems
- Spunbond nonwoven fabric











### **STANDARD SERIES**

As the most widely preferred fabric encased spring type, our standard series of pocket springs provide optimum comfort and support for bedding products.

Superiorities of pocket springs include;

- Flexible comfort and support
- Adaptation to body contours
- Absorption of partner disturbance
- Durability

GENERAL PRODUCTION RANGE FOR THE STANDARD SERIES OF POCKET SPRINGS.	
Height	55 mm - 200 mm
Wire gauge	1,30 mm - 2,20 mm
Coil diameter	55 mm - 70 mm
Coil count	200 - 350 coils/m²
Glueing	Central, Top & bottom or both
Sizes	Standard, Foam Encased and Custom sizes







Spring



Spring Technology





















No Disturbance Vantilation to Partner

Dimensions



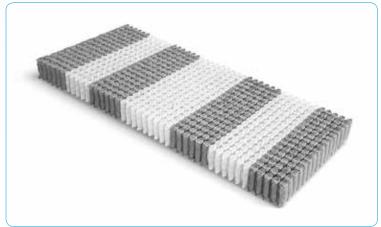
### **COMFORT ZONE SERIES**

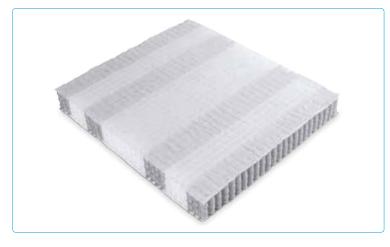
Adding comfort zones to pocket spring units further increases comfort and support flexibility of fabric encased coils. By applying following methods, comfort zones can be designed within a unit to perfectly meet support requirement of various parts of

- Using different wire gauges at individual coils
- Changing waist diameter of coils
- Modifying pre tension of coils
- Changing convolution of coils
- Increasing coil density by changing assembly configuration.

GENERAL PRODUCTION RANGE FOR THE COMFORT ZONE SERIES OF POCKET SPRINGS.	
Height	55 mm - 200 mm
Wire gauge	1,20 mm - 2,20 mm
Coil diameter	37 mm - 70 mm
Coil count	200 - 750 coils/m <sup>2</sup>
Glueing	Central, Top & bottom or both
Sizes	Standard, Foam Encased and Custom sizes











Independent Spring Spring Technology



Zones



















No Disturbance to Partner

Dimensions



### **HIGHER COIL COUNT SERIES**

Consisting of springs with narrow waist diameter coiled from fine wire, our higher coil count series of pocket spring units provide luxury and consistent comfort to the high end matresses and bedding products.

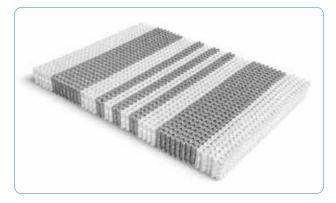
With its small diameter coils, higher coil count series of pocket springs;

- Reduces stress level applied to the body.
- Further improves adaptation to body contours.
- Provides exceptional comfort and support.

GENERAL PRODUCTION RANGE FOR THE HIGHER COIL COUNT SERIES OF POCKET SPRINGS.	
Height	55 mm - 200 mm
Wire gauge	1,20 mm - 1,60 mm
Coil diameter	32 mm - 55 mm
Coil count	350 - 1025 coils/m <sup>2</sup>
Glueing	Central, Top & bottom or both
Sizes	Standard, Foam Encased and Custom sizes













Spring Technology



Zones













Relax



to Partner







Dimensions



#### **FIRM PERIMETER SERIES**

Designed with firmer coils surrounding a standard or a comfort zone series of pocket spring unit in the center, our firm perimeter series are a superior alternative to foam encasement by providing a better comfort transition and durability on the

#### Firm perimeter series of pocket spring units offer;

- A more durable and supportive edge than foam.
- Improved comfort transition on the edges.
- Reduced production time and cost in mattress manufacturing process by eliminating foam encasement operation.
- Better compatibility with packing processes of matresses such as folding, compressing and roll packing.
- More flexible matress sides for adjustable bed applications.

#### Firmer comfort level around the perimeter of spring unit can be obtained with the following options.

- Coils with the same waist diameter but thicker wire gauge
- Coils with narrow coil diameter to further increase coil count at the perimeter zone
- Coils with the same waist diameter and wire gauge but with higher coil pretension



























Dimensions

Spring

Independent Spring Technology

Perimeter

Zones

Muscle Relax

No Disturbance to Partner

Vantilation



### **TALL SERIES**

Our tall series of pocket spring units are designed to occupy more space with advanced characteristics of pocket springs in your mattress designs. Tall series of pocket spring units help you optimize cost per unit height of the mattress without compromising comfort level.

GENERAL PRODUCTION RANGE FOR THE TALL SERIES OF POCKET SPRINGS.	
Height	200 mm - 250 mm
Wire gauge	1,50 mm - 2,20 mm
Coil diameter	55 mm - 67 mm
Coil count	250 - 350 coils/m²
Glueing	Central, Top & bottom or both
Sizes	Standard, Foam Encased and Custom sizes











Spring



Spring Technology

Height























Relax

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Dimensions



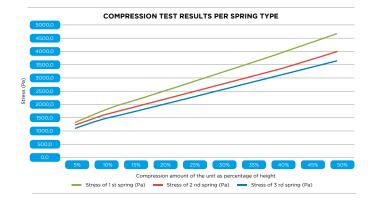


Smooth is a patent pending innovation by ZebSprings to provide advanced support to the body contours. With its finely engineered coiling configuration, Smooth shifts comfort zone application in the pocket spring units to the next level.

While the most common way of comfort zone configuration within a unit is to use coils with different wire gauges, Smooth contains three type of coils with the same wire gauge but with different pre tension adjustment assembled together to obtain smooth transition between the comfort zones.

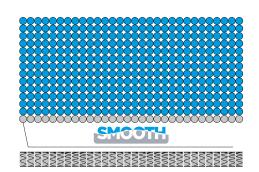
Consisting of three different comfort level of springs within its construction, Smooth provides step by step transition between comfort zones, resulting in superior adaptation to the body contours.





GENERAL PRODUCTION RANGE FOR SMOOTH	
Height	100 mm - 200 mm
Wire gauge	1,30 mm - 2,20 mm
Coil diameter	45 mm - 70 mm
Coil count	200 - 525 coils/m²
Glueing	Central, Top & bottom or both
Sizes	Standard, Foam Encased and Custom sizes











Technology Technology



Zones























Independent Spring

Varying Comfort

No Disturbance Relax to Partner

Ventilation

**Dimensions** 



### **COMBI-COMFORT SERIES**

Our combi-comfort series of pocket springs combine superiorities of standard series and higher coil count series in a single unit. With its nested assembly configuration of standard coils and narrow diameter coils, combi-comfort series offer durability and fine adjusted comfort level together.

Combi-comfort series can be customized to various comfort expectations by selecting the waist diameter and the wire gauge of coil strands accordingly.

#### GENERAL PRODUCTION RANGE FOR THE COMBI-COMFORT SERIE 100 mm - 200 mm 1,40 mm - 2,20 mm 57 mm - 70 mm 39 mm - 57 mm Both Central and Top & bottom





Diameter

Height Wire gauge



Independent Spring Technology



Zones

Standard and Custom sizes



















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Dimensions

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# **MULTI LAYER SERIES**

In multi layer series of pocket spring units, our various type of product series are layered together to maximize luxury and comfort. Combining layer options that complement each other perfectly, multi layer series provide unique comfort, flexibility and durability for your mattress designs.

GENERAL PRODUCTION RANGE FOR MULTI LAYER SERIES	
Total Height	100 mm - 250 mm
Wire gauge	1,20 mm - 2,20 mm
Coil diameter	39 mm - 70 mm
Total Coil count	450 - 2050 coils/m <sup>2</sup>
Glueing	Both Central and Top & bottom
Sizes	Standard, Foam Encased and Custom sizes







Spring



Spring Technology Layers



Zones





















No Disturbance to Partner

Dimensions



### **VARIABLE FIRMNESS SERIES**

In variable firmness series of pocket spring units, a plush sleeping surface and a supportive inner structure are obtained together.

Thanks to its coil geometry with irregular pitch of convolution, variable firmness series of pocket spring units welcome the body with soft feeling initially and comfort level gets firmer as the applied weight increases. Depending on the type of mattress design, initial soft feeling can be supplied on one or both surfaces of the spring unit.

	GENERAL PRODUCTION RANGE FOR VARIABLE FIRMNESS SERIES
Height	100 mm - 200 mm
Wire gauge	1,50 mm - 2,20 mm
Coil diameter	55 mm - 70 mm
Coil count	200 - 350 coils/m <sup>2</sup>
Glueing	Central, Top & bottom or both
Sizes	Standard, Foam Encased and Custom sizes























to Partner





Spring Technology

Varying Comfort



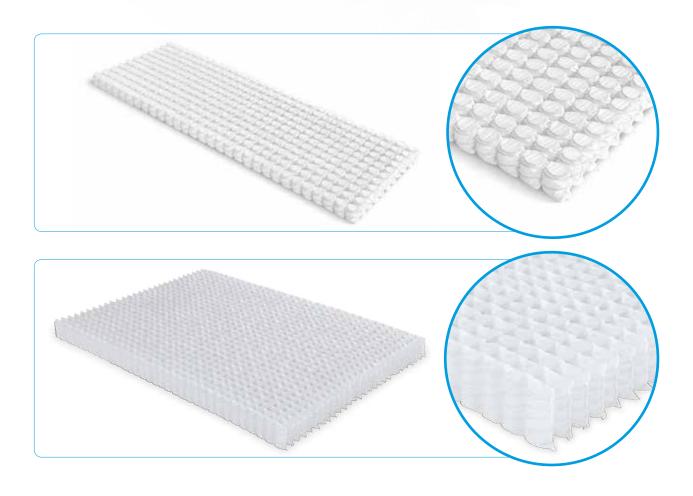
#### **LAYERS & TOPPER SERIES**

Either as an additional comfort layer on top of spring units or as a core of mattress toppers, our layers & topper series of pocket spring units complements bedding products perfectly.

Our layers & topper series of pocket springs can be employed in the following applications for a better sleep.

- Additional comfort layer on top of other spring units to reach higher coil counts
- Healthier and a more durable core alternative for mattress toppers
- Surface layer for adjustable beds and boxsprings.

GENERAL PRODUCTION RANGE FOR THE LAYERS & TOPPER SERIES OF POCKET SPRINGS.	
Height	55 mm - 100 mm
Wire gauge	1,20 mm - 2,20 mm
Coil diameter	37 mm - 65 mm
Coil count	250 - 700 coils/m <sup>2</sup>
Glueing	Central, Top & bottom or both
Sizes	Standard, Foam Encased and Custom sizes





Spring Technology



Spring

Comfort





















No Disturbance to Partner

Dimensions



#### **RECYCLE FRIENDLY SERIES**

As the two main components of pocket springs, steel and nonwoven are recyclable materials. However, unless the two components are glued together with correct glue type, glues can contaminate the nonwoven and decrease recycling efficiency of the fabric.

Our recycle friendly series of pocket springs are assembled with 100% polymer based glue that has the same chemical structure with raw material of nonwoven fabric, namely propylene. Therefore, after being separated from the coils, fabrics of our recycle friendly pocket springs can be recycled efficiently without further separation process and risk of contamination in the fabric.

GENERAL PRODUCTION RANGE FOR THE POCKET SPRING UNITS.	
Height	60 mm - 250 mm
Wire gauge	1,20 mm - 2,20 mm
Coil count	185 - 1025 coils/m²
Coil diameter	32 mm - 75 mm
Glueing	Central, Top & bottom or both
Sizes	Standard and Custom sizes

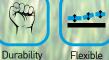


Independent Spring Technology











Relax



to Partner









Customized Dimensions

Recycle Friendly

zebsprings.com



#### PERFORMANCE NONWOVEN SERIES

As one of the two main components of pocket springs, nonwoven fabrics play important role on comfort and durability characteristics of pocketed coils. Thanks to the innovative developments in nonwoven industry, nonwoven fabrics can now add further functionality to the pocket spring units.



#### **Well Being Series**

Our well being series of pocket springs are manufactured with innovative spunbond fabrics, which limit formation and development of microbe, bacteria and other harmful microorganisms on the surface of pocket springs.

Showing antibacterial characteristics as per TS EN ISO 20743 standards, our well being series of pocketed coils improve antibacterial characteristics of mattresses that are designed with hygienic concept.





#### **Antistatic Series**

Our antistatic series of pocket springs enhance antistatic performance of mattresses that are designed with anti-static and anti-stress concept to regulate biorhythm of human body.

Innovative spunbond nonwovens used in our antistatic series of pocket springs meet antistatic characteristics defined in TS EN 61340-2-3 standards at 23°C - 50%rH testing conditions and offer up to 99,9% improvement in surface resistivity when compared with standard spunbond fabrics.





Spring Spring Technology







to Partner

No Disturbance

Dimensions





being



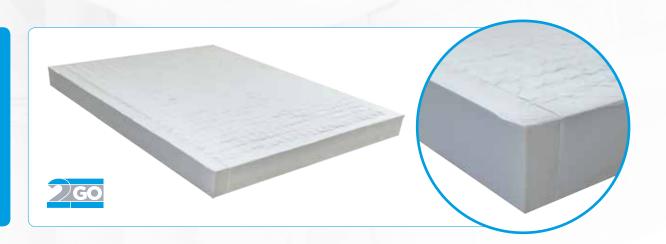


Antistatic





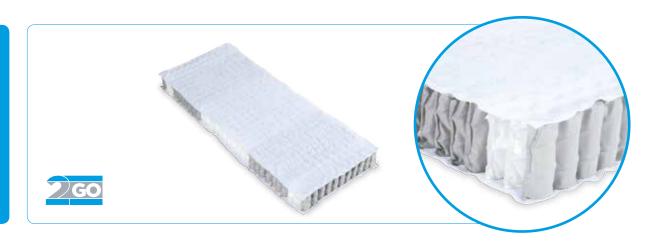
**FOAM ENCASEMENT** 



**FOAM LAYERS** 



**FELTED FIBER LAYERS** 







Concept of 2GO series is to combine advanced comfort and durability characteristics of pocket springs with other comfort or support elements used in mattress production such as foam, felt and fiber to obtain a semi-finished mattress core.

Our 2GO series reduces number of in house steps in mattress production, such as gluing comfort or support layers on innerspring unit and foam encasement operation of spring units, leading to a decrease in production time and process cost of mattress.

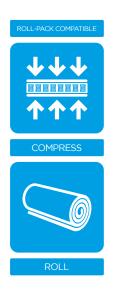
The following comfort or support layers can be applied in 2GO series with customizable item specifications.

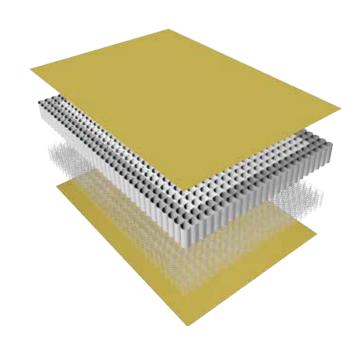
- Specialty foams
- Felt
- Felted fiber

2GO series can be manufactured with the following foam encasement and firm perimeter coil combinations basing on customer request.

- Full foam encasement
- Firmer springs at head and toe sides and foam border at the two sides

GENERAL PRODUCTION RANGE FOR THE 2GO SERIES	
Height of spring unit	100 mm - 200 mm
Wire gauge	1,40 mm - 2,20 mm
Coil diameter	39 mm - 75 mm
Coil count	185 - 675 coils/m²
Height of core with layers	120 mm - 230 mm
Glueing	Both Central and Top & bottom
Sizes	Standard and Custom sizes









Technology





Independent























**Dimensions** 

Comfort Layers

Spring Technology

Muscle Perimeter

No Disturbance Vantilation to Partner



# **UPHOLSTERY SERIES**

With our upholstery series of pocket springs, superiorities of fabric encased coils can be employed in the sitting products too. Standard or custom sized pocket spring units can be designed in order to advance comfort and durability of sofas, futons and armchairs.

GENERAL PRODUCTION RANGE FOR THE UPHOLSTERY SERIES OF POCKET SPRINGS.	
Height	55 mm - 120 mm
Wire gauge	1,60 mm - 2,20 mm
Coil diameter	55 mm - 70 mm
Coil count	200 - 350 coils/m <sup>2</sup>
Glueing	Central, Top & bottom or both
Sizes	Standard and Custom sizes



















Spring

Independent Spring Technology

Perimeter

Vantilation

Customized Dimensions

20 zebsprings.com



### **SUMMARY FOR UK**

From regular 1000 count series to higher coil count series for luxury bedding products; we offer wide range of pocket spring products to meet requirements of UK bedding manufacturers for different product segments.

Our pocket spring series include;

- Higher coil count units up to 3000 counts.
- Units with or without flat frame and box frame application.
- Low height units to be used as comfort layers.
- Units with nested assembly configuration.
- Multi layer units with combination of various series of pocket springs.
- Units for encapsulated and other custom sizes.
- Units at various comfort levels from super soft to ultra firm.

GENERAL PRODUCTION RANGE FOR THE POCKET SPRING UNITS.	
Height	2" - 10"
Wire gauge	18g (1,20 mm) - 13,5g (2,20 mm)
Coil count	650 count - 3000 count
Coil diameter	1¼" (32 mm) - 2¾" (70 mm)
Glueing	Central, Top & bottom or both
Sizes	Standard, Foam Encased and Custom sizes











Spring Diameter



Technology

Independent Spring



Zones









Relax

No Disturbance



to Partner



Perimeter





Vantilation



Dimensions



#### **SUMMARY FOR NORTH AMERICA**

With our wide range of fabric encased coil series, we present whole range of comfort, flexibility and durability required by the US mattress and speciality sleep products manufacturers for different product groups.

Our product portfolio includes but not limited to the units with following specifications.

- Higher coil count units with small diameter coils from fine wire to enhance adaptation to body contours.
- Units with firmer perimeter to eliminate foam encasement.
- Tall units to optimize cost per inch.
- Low height units to be used as comfort layers.
- Units with various comfort levels from plush to ultra firm.

	GENERAL PRODUCTION RANGE FOR THE POCKET SPRING UNITS.
Height	2" - 10"
Wire gauge	18g - 13½g
Coil count	Between 520 and 2508 coils at full size
Comfort zone	Various comfort zones from head to toe or at the edges can be designed
Glueing	Central, Top & bottom or both
Sizes	Standard, Foam Encased, Crib, Futon and Custom sizes







Diameter Technology



























Independent Spring

Comfort Zones

Relax

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Perimeter

Vantilation

Dimensions



## **SUMMARY FOR NORTH AMERICA**

STANDARD SERIES



**FIRM PERIMETER** SERIES



COMFORT ZONE SERIES



TALL SERIES



				PRO	DDUCTION	I RANGE F	OR THE	STANDARE	SERIE	S OF FA	ABRIC	ENCAS	ED CO	ILS (S	TANDA	RD SIZ	ES)									
			COIL COU	INTS OF	THE SPRIN	IG UNITS			AVAIBLE WIRE GAUGES								AVAILABLE HEIGHT									
Series	Assembly Direction	Twin	Twin XL	Full	Full XL	Queen	King	Cal King	17g	1612g	16g	1512g	15g	1412g	14g	1312g	2"	3"	4"	5"	6"	7"	8"	9"	10"	
520	STS	364	392	520	560	644	812	810																		
532	HTT	364	390	532	570	630	810	800																		
580	HTT	406	434	580	620	682	868	891																		
588	STS	420	450	588	660	720	930	928																		
600	HTT	420	448	600	640	704	896	918																		
609	STS	435	465	609	682	744	961	957																		
660	STS	480	512	660	736	800	1024	1020																		
672	HTT	480	510	672	714	816	1020	1008																		
768	STS	544	578	768	850	918	1190	1188																		
805	HTT	560	592	805	851	962	1221	1209																		

				PROD	UCTION R.	ANGE FO	R THE STA	ANDARD SI	ERIES (	OF FABI	RIC EN	ICASED	COILS	(FOA	M ENC	ASED S	IZES)									
			COIL COU	INTS OF	THE SPRIN	IG UNITS			AVAIBLE WIRE GAUGES								AVAILABLE HEIGHT									
Series	Assembly Direction	Twin	Twin XL	Full	Full XL	Queen	King	Cal King	17g	1612g	16g	1512g	15g	1412g	14g	1312g	2"	3"	4"	5"	6"	7"	8"	9"	10"	
520 FE	STS	288	312	432	468	520	676	700																		
532 FE	HTT	286	308	442	476	532	700	690																		
580 FE	HTT	324	348	486	522	580	754	775																		
588 FE	STS	338	364	494	532	588	784	810																		
600 FE	HTT	336	360	504	540	600	780	800																		
609 FE	STS	351	377	540	580	638	841	868																		
660 FE	STS	392	420	560	630	690	900	928																		
672 FE	HTT	377	403	551	589	651	868	858																		
768 FE	STS	450	480	660	704	800	1056	1054																		
805 FE	HTT	448	476	640	714	782	1020	1008																		

HTT Denotes assembly configuration from head to toe

STS Denotes assembly configuration from side to side

# ZebSprings

## **SUMMARY FOR NORTH AMERICA**

HIGHER COIL COUNT SERIES



**SMOOTH SERIES** 



Togo SERIES



LAYERS & TOPPER SERIES



	PRODUCTION RANGE FOR THE HIGHER COIL COUNT SERIES OF FABRIC ENCASED COILS ( STANDARD SIZES )																									
	COIL COUNTS OF THE SPRING UNITS									AVAIBLE WIRE GAUGES								AVAILABLE HEIGHTS								
Series	Assembly Direction	Twin	Twin XL	Full	Full XL	Queen	King	Cal King	18g	1712g	17g	1612g	16g	1512g	15g	1412g	14g	2"	3"	4"	5"	6"	7"	8"	9"	10"
825	STS	594	630	825	910	1015	1295	1295																		
945	STS	665	703	945	999	1110	1406	1404																		
1008	STS	720	760	1008	1064	1216	1520	1520																		
1102	STS	798	861	1102	1189	1353	1722	1720																		
1271	STS	902	968	1271	1408	1540	1936	1932																		
1496	STS	1056	1128	1496	1598	1786	2256	2254																		
1575	STS	1125	1200	1575	1680	1872	2400	2400																		
1645	STS	1175	1250	1645	1800	2000	2550	2544																		
2508	STS	1767	1891	2508	2684	2989	3843	3840																		

				PRODUC	CTION RAI	NGE FOR	THE HIGH	IER COIL C	OUNT !	SERIES	OF FA	BRIC E	NCASE	D COIL	.S ( FO.	AM EN	CASED	SIZES	()							
	COIL COUNTS OF THE SPRING UNITS								AVAIBLE WIRE GAUGES								AVAILABLE HEIGHTS									
Series	Assembly Direction	Twin	Twin XL	Full	Full XL	Queen	King	Cal King	18g	1712g	17g	1612g	16g	1512g	15g	1412g	14g	2"	3"	4"	5"	6"	7"	8"	9"	10"
825 FE	STS	450	480	660	736	800	1056	1054																		
945 FE	STS	512	544	768	816	918	1190	1188																		
1008 FE	STS	561	595	825	875	980	1295	1295																		
1102 FE	STS	630	684	910	1026	1140	1482	1480																		
1271 FE	STS	703	760	1036	1120	1280	1640	1638																		
1496 FE	STS	800	860	1200	1290	1462	1935	1890																		
1575 FE	STS	861	924	1271	1364	1540	2024	2021																		
1645 FE	STS	946	1012	1376	1472	1656	2162	2156																		
2508 FE	STS	1352	1456	2028	2184	2464	3248	3245																		
	STS I	Denotes as	sembly conf	iguration f	rom side to	side					Λvail	ملطم														





ZebSprings can supply round and flat frames as attached to the spring units or seperately.

Type	ound	Туре	Flat
Wire gauge 3,8	80 mm (8½g) - 5,00 mm (6g)	Wire cross section	10 x 1,40 mm
Geometry Re	ectangular, Hexagonal and Circular	Geometry	Rectangular, Hexagonal and Circular
Sizes Sta	tandard and Custom sizes	Sizes	Standard and Custom sizes





# **PACKAGING**



We deliver our pocket spring products as roll packed or as flat packed. Roll packed units can also be put on wooden pallets upon request for more convenient handling.









