

The graph shows the tensile/elongation curve for typical Matrex webbings. In this instance, it shows the application tension for NC 170 elongation 100%, NC 470 elongation 40%, and Systems 80 elongation 6%. As a load is applied, the webbing stretches to its optimum elongation and maintains an elastic range that provides resiliency. Our construction prevents further sagging or bottoming out.

While physical properties vary depending on the grade, Matrex webbings typically show the subsequent characteristics.

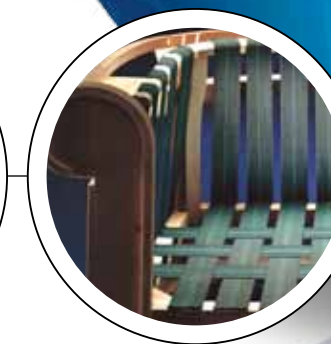
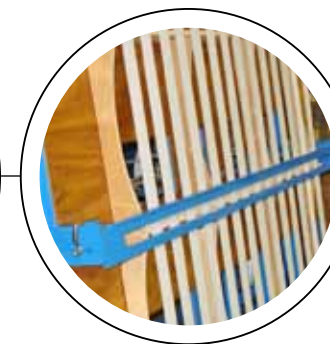
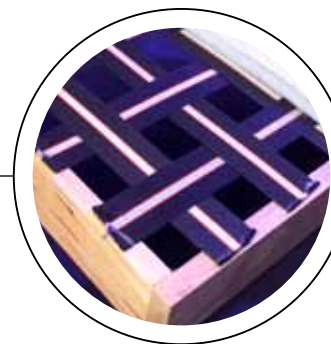
- Tensile Strength: 310 – 680 lbs.
- IFD Sag Factors: 3.5 to 4.2 at 2" deflection
- Weatherometer: No discernible wear
- Staple Tear: 285 – 510 lbs.
- Heat Age Fatigue: Less than 3% loss

50,000 Cycles 210° F/96 hrs.

Compliance with FNAE 110-217 for heavy duty service

Your Global Source For Quality Seating Suspension Systems

- Elastic Rubber Webbing
- Sytex Elastomeric Webbing



Call Today To See How We Can
Help You With Your
Seat Suspension Needs



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For many years Matrex has been a supplier of the best seating suspension systems in the furniture industry.

Our woven rubber webbing products and our SYTEX elastomeric knits have provided comfort and durability in thousands of seating applications globally. In order to meet customer demand in the most efficient and economical ways, woven rubber webbing products are produced in our world class manufacturing facility in Taizhou, China, with our partner INTES SPA. Their knowledge, integrity, and expertise ensure that our webbing product line continues to provide the best suspension value to our customers.



Our manufacturing alliance combines over fifty years of experience in manufacturing and application technology.

Our hands-on approach and background provides us with a unique and comprehensive understanding of seating requirements. Our commitment to service and reliability ensures that our customers receive the best value for their investment.

Webbing machinery has been modified and perfected over many years of use in the field to streamline production by reducing space requirements, labor costs, inventories, and administrative costs. The use of these machines facilitates production to improve efficiencies and consistency in seating and makes it easier for the operator to increase output.



SYTEX is manufactured in our Greensboro, NC plant where Matrex facilities include testing laboratories, application machinery development, and an expert team of seating technology professionals that provide customer support.

Developed and manufactured in the USA by Matrex, the Sytex Group of seating support systems is based on the unique elastomeric properties of a high strength polyester monofilament.

- Sytex is unaffected by fungus, urine, mildew, and household cleaners.
- Sytex is easy and safe to apply and reduces frame stress.
- Sytex can be easily adjusted to obtain a firm seat or a deep, plush ride.
- Sytex seating support systems surpass the requirements of all government and business technical specifications, including FNAE – 83 and BIFMA.

Manufacturers select Matrex webbing solutions for a variety of reasons:

1. To improve the cost structure of their product. Because properly designed webbed seats reduce parts inventory, increase unit output and decrease operator fatigue.
2. To solve complex design challenges. Because our webbing products are versatile, easy to control for specific deflection values and we engineer them to solve construction and geometric demands.
3. To meet fatigue and long term durability requirements. Because our webbing products meet the most demanding high traffic seating specifications.
4. To offer the best value furniture to their customers. Because our webbing products yield consistent suspensions, noiseless, resilient, reliable and provide lasting comfort while reducing foam fatigue.





Like no other suspension system, Matrex webbing has an inherent, unique versatility that can be adapted to any seating requirement to provide the correct, precise level of comfort for each and every application. Even the most complex constructions that mandate the contours of a Barrel Back Chair, the concavity and ergonomics of an Office Chair, or the deep, soft ride of a Sofa.

Matrex's extensive line of Elastic Webbing that is detailed in this chart is the product of years of research projects that involve application analysis, ergonomic considerations, and test evaluations that determine fatigue ratios. The result of this effort is that the comfort and durability of Matrex Elastic Webbing are the quality standard for high-end household and institutional furniture. We encourage our customers to utilize our resources and data banks in selecting the best system for their application.

Please note the icons in each application section that will aid you in saving a great deal of time in your selection.



Ideal to achieve shape for ergonomic reasons like in a lumbar region, a "waterfall" front edge, or serpentine shapes. The NC 1 50 G is for greater compression with fewer straps.



For small Backs for short production runs. The NC 1 70 Q is for larger runs due to less labor in the application.



Ottomans, Chaise Lounge, and for high volume, economical Seating.



Excellent for low to medium price occasional seating.



NC 0 50
Elongation: 100%
Packaging: 5 rolls
(total 500m)




NC 0 50 Q
Elongation: 90%
Packaging: 5 rolls
(total 500m)




NC 1 50 G
Elongation: 100%
Packaging: 5 rolls
(total 500m)




NC 1 70 Q
Elongation: 100%
Packaging: 4 rolls
(total 400m)





NC 2 50
Packaging: 5 rolls
(total 500m)




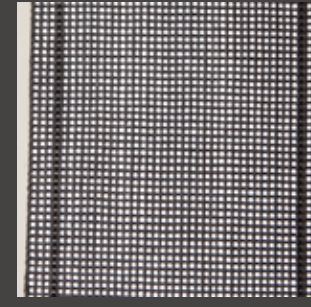

NC 2 50 G
Elongation: 90%
Packaging: 5 rolls
(total 500m)





NC 2 50 Q
Elongation: 85%
Packaging: 5 rolls
(total 500m)


NC 2 70 Q
Elongation: 80%
Packaging: 4 rolls
(total 400m)


NC 2 80
Elongation: 80%
Packaging: 3 rolls
(total 300m)





NC 3 50
Elongation: 75%
Packaging: 5 rolls
(total 500m)


NC 3 50 F
Elongation: 70%
Packaging: 5 rolls
(total 500m)





NC 3 50 G
Elongation: 70%
Packaging: 5 rolls
(total 500m)

NC 3 70 F
Elongation: 70%
Packaging: 4 rolls
(total 400m)






NC 3 70 Q
Elongation: 45%
Packaging: 4 rolls
(total 400m)






NC 370 S
Packaging: 4 rolls
(total 400m)





 High resiliency soft ride for fully upholstered.


 Medium resiliency seating for fully upholstered.

 Soft resilient ride for medium price range upholstered furniture.


 High end plush, soft ride for residential and contract fully upholstered.

 High end firmer seating for residential and contract fully upholstered.

 Economical unidirectional, high volume, high end production for all seating applications.


 2" - 30" Deep soft ride.

 2"-30" Medium resiliency seating.


 2"-30" High traffic firm seating.

Please note that all wide webbings are most efficiently used with a machine for the particular application.

 15"-28" Backs - Hand applied.



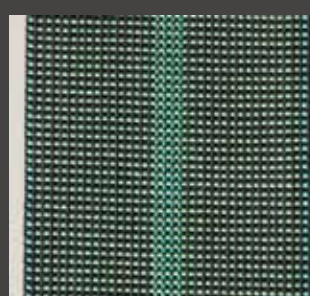
NC 3 80 G
Elongation: 70%
Packaging: 3 rolls
(total 300m)





NC 4 50 J
Elongation: 45%
Packaging: 5 rolls
(total 500m)




NC 4 70
Elongation: 47%
Packaging: 4 rolls
(total 400m)


NC 4 70 F
Elongation: 60%
Packaging: 4 rolls
(total 400m)





S 80 3 R
Elongation: 20%
Packaging: 3 rolls
(total 300m)




S 80 3 R Q
Elongation: 20%
Packaging: 3 rolls
(total 300m)

S 80 4 R
Elongation: 20%
Packaging: 3 rolls
(total 300m)



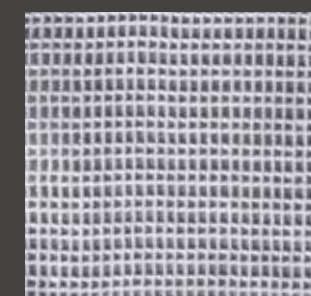

SY I 50 & 80
Elongation: 16-22%
Packaging: 50 - 6 rolls
(total 1800')
80 - 4 rolls
(total 1200')





SY II 50 & 80
Elongation: 12-16%
Packaging: 50 - 6 rolls
(total 1800')
80 - 4 rolls
(total 1200')




SY III 50 & 80
Elongation: 3-5%
Packaging: 50 - 6 rolls
(total 1800')
80 - 4 rolls
(total 1200')

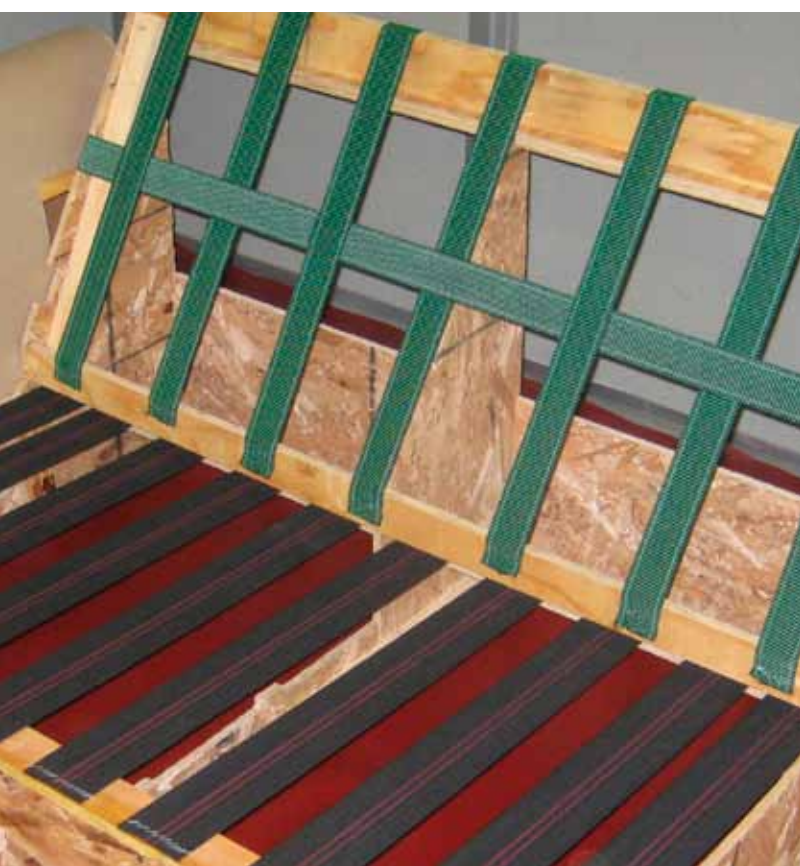



Synet
Elongation: 16 - 25%
Packaging: 300'




Sytex W
Available as I, II & III
Widths: 12 - 29"
Packaging: 300'



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With Your Seat Suspension Needs



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