



DIAMOND

Durable and customisable Polymer Matrix

Product Information



Diamond Standard

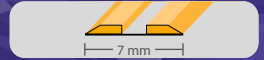
| | | Channel Height (mm) | | | | | | | |
|---------------|-----|---------------------|-----|-----|-----|-----|-----|-----|-----|
| | | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 1 | 1.2 |
| Channel Width | 0.6 | 0.6 | 0.7 | 1.0 | 1.5 | 1.7 | 2.3 | 4.0 | |
| | 0.7 | 0.7 | 0.8 | 1.1 | 1.6 | 1.9 | 2.5 | 4.5 | |
| | 0.8 | 0.8 | 1.0 | 1.2 | 1.7 | 2.1 | 2.7 | 5.0 | |
| | 1.0 | 1.0 | 1.1 | 1.2 | 1.9 | 2.3 | 3.0 | | |
| | 1.1 | 1.1 | 1.2 | 1.4 | 2.1 | 2.5 | 3.2 | | |
| | 1.2 | 1.2 | 1.3 | 1.5 | 2.3 | 2.7 | 3.5 | | |
| | 1.3 | 1.3 | 1.4 | 1.6 | 2.5 | 3.0 | 4.0 | | |
| | 1.4 | 1.4 | 1.5 | 1.7 | 2.7 | 3.2 | 4.5 | | |
| | 1.5 | 1.5 | 1.6 | 1.9 | 3.0 | 3.5 | 5.0 | | |
| | 1.6 | 1.6 | 1.7 | 2.1 | 3.2 | 4.0 | 6.0 | | |
| | 1.7 | 1.7 | 1.9 | 2.3 | 3.5 | 4.5 | | | |
| | | | 1.9 | 2.1 | 2.5 | 4.0 | 5.0 | | |
| | | | | 2.3 | 2.7 | | 6.0 | | |
| | | | 2.5 | 3.0 | | | | | |
| | | | 2.7 | 3.2 | | | | | |
| | | | | 3.5 | | | | | |
| | | | | 4.0 | | | | | |



Standard polymer-based creasing matrix. Creasing matrices are available in 750 mm lengths.

Diamond Mini

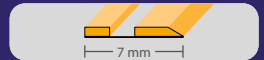
| | | Channel Height (mm) | | | | | |
|---------------|-----|---------------------|-----|-----|-----|-----|-----|
| | | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| Channel Width | 0.8 | 0.8 | 0.8 | 1.0 | 1.9 | 2.7 | |
| | 1.0 | 1.0 | 1.0 | 1.3 | 2.1 | | |
| | 1.2 | 1.1 | 1.1 | 1.5 | 2.3 | | |
| | 1.3 | 1.2 | 1.2 | 1.7 | | | |
| | 1.5 | 1.2 | 1.2 | 1.9 | | | |
| | | | 1.4 | 1.4 | 2.1 | | |
| | | | 1.5 | 1.5 | | | |
| | | | 1.7 | 1.7 | | | |
| | | | 1.9 | 1.9 | | | |



When small distances between cutting and creasing rule are required. This is the ideal creasing system to use, suitable for small folding cartons.

Diamond Off Centre

| | | Channel Height (mm) | | | | | | |
|---------------|-----|---------------------|-----|-----|-----|-----|-----|---|
| | | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 1 |
| Channel Width | 0.8 | 1.0 | 1.0 | 1.5 | 2.3 | 2.3 | 3.0 | |
| | 1.0 | 1.1 | 1.2 | 1.7 | 2.5 | 2.5 | | |
| | 1.2 | 1.2 | 1.3 | 1.9 | 2.7 | 2.7 | | |
| | 1.3 | 1.3 | 1.5 | 2.1 | | 3.0 | | |
| | 1.5 | 1.5 | 1.7 | 2.3 | | | | |
| | | | 1.7 | 1.9 | 2.5 | | | |
| | | | | 2.1 | 2.7 | | | |
| | | | | 2.7 | | | | |
| | | | | | | | | |



The special creasing system for double creasing with small distances between the creasing rules.

Diamond Contoured

| | | Channel Height (mm) | | | | |
|---------------|-----|---------------------|-----|-----|-----|-----|
| | | 0.5 | 0.6 | 0.7 | 0.8 | 1 |
| Channel Width | 3.0 | 2.1 | 2.3 | 2.5 | 2.7 | 3.0 |
| | | 2.3 | 2.5 | 2.7 | 3.0 | 3.2 |
| | | 2.5 | 2.7 | 3.0 | 3.2 | 3.5 |
| | | 2.7 | | 3.2 | 3.5 | 4.0 |
| | | 3.0 | | 3.5 | 4.0 | 4.5 |
| | | | | 4.0 | | 5.0 |
| | | | | | | 6.0 |
| | | | | | | |
| | | | | | | |
| | | | | | | |



Creasing system for products made from corrugated board. Inside chamfering reduces tensile stress and helps avoid cracking of the surface of the material.

Diamond Corrugate

| | | Channel Height (mm) | | | |
|---------------|-----|---------------------|-----|-----|-----|
| | | 0.6 | 0.7 | 0.8 | 1 |
| Channel Width | 2.3 | 2.3 | 2.3 | 2.3 | 2.7 |
| | 2.5 | 2.5 | 2.5 | 2.5 | 3.0 |
| | 3.0 | | | 2.7 | 3.5 |
| | 3.5 | | | 3.0 | 4.0 |
| | 4.0 | | | 3.2 | 5.0 |
| | 5.0 | | | 3.5 | 6.0 |
| | 6.0 | | | 4.0 | |
| | | | | 5.0 | |
| | | | | 6.0 | |
| | | | | | |



Special product for corrugated board requiring the highest quality. Enhanced bevelling avoids degradation on the surface.

Doubles

| | | Channel Height (mm) | | |
|------------------------------|-----|---------------------|------|------|
| | | 0.40 | 0.45 | 0.50 |
| Channel Width | 1.0 | 1.0 | 1.0 | 1.0 |
| | 1.2 | 1.2 | 1.2 | 1.2 |
| | 1.3 | 1.3 | 1.3 | 1.3 |
| | 1.5 | 1.5 | 1.5 | 1.5 |
| Space Between Crease Centres | 3.0 | 3.0 | 3.0 | 3.0 |
| | 3.5 | 3.5 | 3.5 | 3.5 |
| | 4.0 | 4.0 | 4.0 | 4.0 |
| | 4.5 | 4.5 | 4.5 | 4.5 |
| | 5.0 | 5.0 | 5.0 | 5.0 |

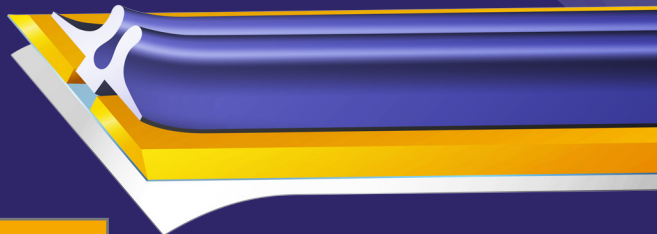


Unique to ManMat Long life double matrix.

Custom

Custom Height / Width

If the size you require is not listed, please contact manmat@ckextrusions.co.uk to discuss your requirements.





DIAMOND


Durable and customisable Polymer Matrix

Man Mat  **DIAMOND** is a high-precision manufactured product using state of the art, laser-controlled technology.

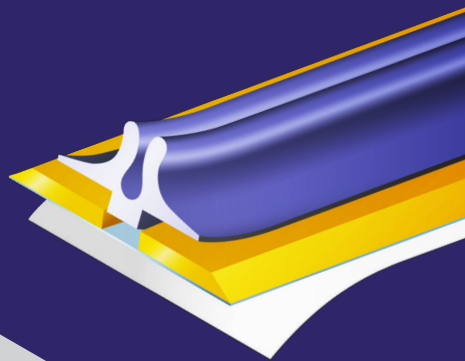
Our new specially developed unique manufacturing method has created a creasing matrix with better impact strength for extended life and improved contoured shoulders for smoother material transport than even our earlier premium range can achieve.

For the most cost-effective solution to longer run lengths there can be no other choice.

Just as you might expect from a Man Mat creasing matrix, like our other products it includes our superior-quality finger-lift adhesive system and self-registering locator features as standard. The special polymer-based construction is also suitable for use in all climates.

 **DIAMOND** is available in a wide range of sizes and speciality creases. It is uniquely able to be customised to suit your precise needs.

If the size you require is not listed, please contact manmat@ckextrusions.co.uk to discuss your requirements.



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