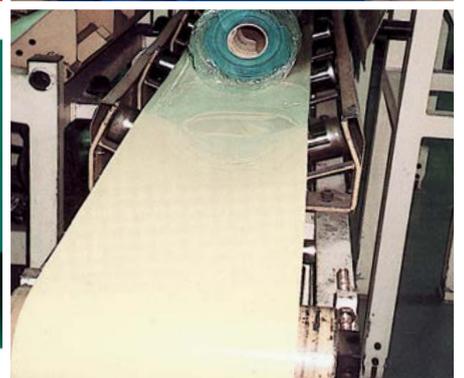
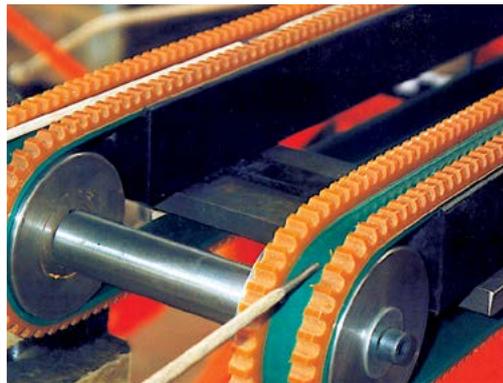
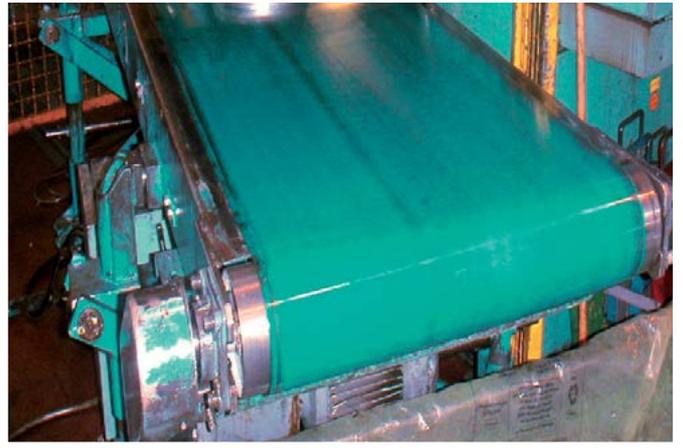
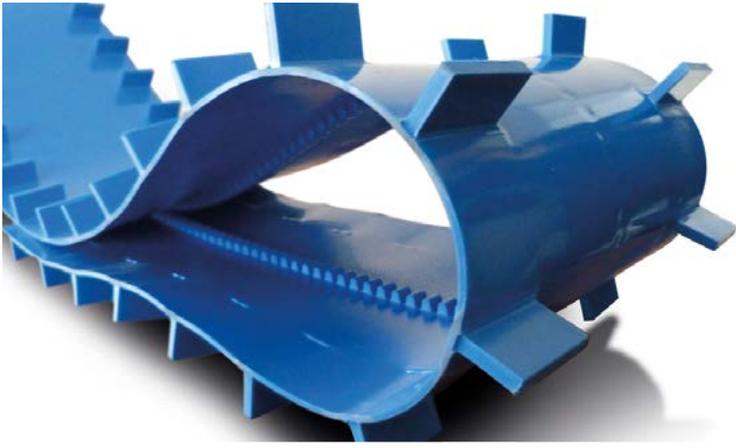




mafdel

**THERMOWELDABLE
CONVEYOR BELTS**







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Based in France, MAFDEL, has been manufacturing a comprehensive range of thermoweldable profiles for over thirty years. These products are intended for industries where convenience, durability and hygiene are a priority.

Our technical teams are available to help you select the correct solution for your technical challenges. Please feel free to get in touch.



BENEFITS



Our thermoweldable flat and conveyor belts are designed for industrial materials handling. They have many advantages:

EASY AND FLEXIBLE TO USE

- Quick and easy welding on site with no need to dismantle machinery.
- Immediate repair or replacement with minimal production stoppages.
- Opportunity to shorten or lengthen a belt as needed.
- Easy repair of damaged belts.



HIGH MECHANICAL PERFORMANCE

- Good resistance to wear and abrasion.
- Good resistance to cuts and tears.
- Good resistance to hydrocarbons and many solvents.
- Increased service life in comparison to conventional belts in aggressive environments.

HYGIENE AND FOOD SAFETY

- Single-material, impermeable and rot-resistant homogeneous bands.
- Smooth surface without fabric to prevent bacterial growth.
- Non fraying.
- Resistance to water, animal and vegetable oils and fats.
- Resistance to detergent products.
- Easy to clean.



BENEFITS

Table comparing the advantages of the different types of industrial conveyor:

| | MAFDEL BELTS | TEXTILE BELTS | MODULAR BELTS |
|--|--------------|---------------|---------------|
| Ease of installation | + | - | + |
| Resistance to chemicals & hydrocarbons | + | - | + |
| Abrasion resistance | + | - | - |
| Ease of maintenance | + | - | - |
| Availability of embossed surfaces | + | + | - |
| Easy cleaning | + | - | - |
| Quiet operation | + | + | - |
| Food approved | + | - | + |

APPLICATION

The applications of our thermoweldable belts are numerous and in many applications such as:

| FOOD INDUSTRY SECTORS | PACKAGING | GENERAL MANUFACTURING | OTHER SECTORS |
|-----------------------|-----------------|-----------------------|---------------|
| Meat | Metal packaging | Tile | Automotive |
| Abattoir | | Brick | Engineering |
| Cheese and dairy | Plastics | Ceramics | Logistics |
| Canning | Paper | Concrete products | Pharma |
| Fruit & vegetable | Cardboard | Dry-wall manufacture | Cosmetics |
| Fish | | Wood | Agricultural |
| Bakery | | Glass | |
| Cookie (Biscuit) | | | |

CONVEYOR BELTS



Mafdel reserves the right to add, modify or delete any of its products without prior notice.
This information is given as a guide, it could in no case call into question the responsibility of the company Mafdel.

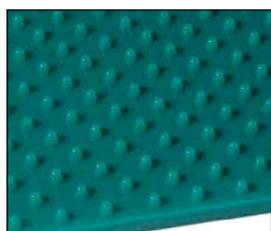


CONVEYOR BELTS

| | | Lower Surface | Upper Surface | Embossing | Max Width (mm) | Thickness (mm) | | | | | | | |
|---------------------------|-------------------|-----------------|---------------|-----------|----------------|----------------|-----|---|-----|-----|---|---|---|
| | | | | | | 1,5 | 1,6 | 2 | 2,3 | 2,5 | 3 | 4 | 5 |
| DEL/ROC | 100 ShA 55 ShD | Smooth | Smooth | No | 1850 | | | | | | | | |
| DEL/ROC | 100 ShA 55 ShD | Structured | Smooth | No | 1850 | | | | | | | | |
| DEL/FLEX | 95 ShA | Smooth | Smooth | Yes | 1850 | | | | | | | | |
| DEL/FLEX | 95 ShA | Structured | Smooth | Yes | 1850 | | | | | | | | |
| DEL/FLEX | 93 ShA | Smooth | Smooth | Yes | 1850 | | | | | | | | |
| DEL/FLEX | 93 ShA | Structured | Smooth | Yes | 1850 | | | | | | | | |
| DEL/FLEX | 93 ShA | Reinforced | Smooth | Yes | 1850 | | | | | | | | |
| SOUPLEX | 85 ShA | Smooth | Smooth | Yes | 1850 | | | | | | | | |
| SOUPLEX | 85 ShA | Structured | Smooth | Yes | 1850 | | | | | | | | |
| SOUPLEX | 85 ShA | Smooth | Smooth | Yes | 1850 | | | | | | | | |
| FLATBELT | 95 ShA | Smooth | Smooth | No | 350 | | | | | | | | |
| PROBELT | 95 ShA | Smooth | Smooth | No | 350 | | | | | | | | |
| ELASTOBELT | 80 ShA 70 ShA | Smooth | Smooth | Yes | 360 | | | | | | | | |
| Covering TOTALGRIP | 70 ShA | Smooth | Smooth | Yes | 360 | | | | | | | | |
| Covered PRIMAFLEX | 90 ShA | Smooth or brush | Smooth | Yes | 360 | | | | | | | | |

DEL/ROC, DEL/FLEX and SOUPLEX guides upon request

Possibility of studs, sawtooth, SG3 or lattice embossing on the upper surfaces (except DEL/ROC materials).
Maximum width: 380 mm. Colours - green, white, blue.



Studs (PI)



Sawtooth (US)

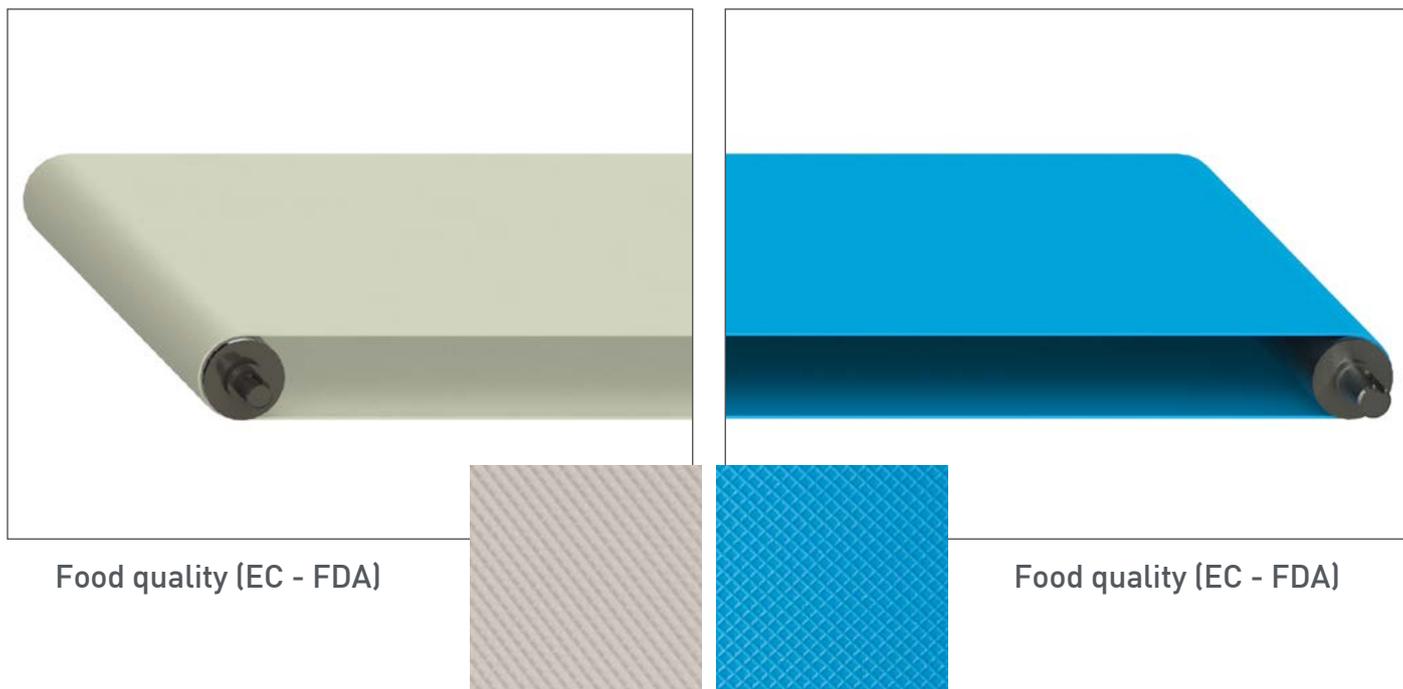


SG3 (SG)



Lattice (LO)

DEL/ROC



Characteristics

- Underside smooth or structured.
- Easy to clean.
- Abrasion resistant.
- Resistant to chemical attacks.
- Excellent tensile strength.
- Good friction coefficient on support beds.

Application

- Medium to heavy load capacity.
- Accumulation possible.
- Full load start-up possible.
- Suitable for long centre distances.

EMBOSSSED underside (EM)

- Reduces friction on stainless in wet or fatty environments.
- Increased drive traction.

Methods of joining

- Butt welded.
- Overlap in heat press
- Electrode welded.
- Stainless or plastic fasteners (including integral welded fasteners).

Application of trapezoidal guides, flights and perforations on request.



DEL/ROC

| DEL/ROC | |
|-------------------------|--|
| Colour | Ivory or Blue |
| Material | Polyester Elastomer |
| Hardness | 100 ShA - 55 ShD |
| Upper surface | Smooth |
| Lower surface | Smooth or embossed (EM) |
| Traction force | 9 daN/cm ² of section at 0.5% tension |
| | 18 daN/cm ² of section at 1% tension |
| | 27 daN/cm ² of section at 2% tension |
| Installation tension | 0.5% to 2% depending on conditions |
| Temperature range | -30°C / +90°C |
| Coefficient of friction | HDPE 0.15 - 0.2 |
| | Steel 0.35 - 0.4 |
| | Stainless 0.5 |

| Flat Belt Width < 100mm | Conveyor belt Width ≥ 100mm | Colour | Belt Thickness (mm) | Maximum Width (mm) | Minimum Ø Pulley (mm) | Weight (kg/m ²) |
|----------------------------|--------------------------------|--------|------------------------|-----------------------|--------------------------|--------------------------------|
| DRPI1.5 | DRBI1.5 | | 1.5 | 1850 | 30 | 1.8 |
| DRPI2 | DRBI2 | | 2 | 1850 | 40 | 2.4 |
| DRPI2EM | DRBI2EM | | | | | |
| DRPB2 | DRBB2 | | | | | |
| DRPB2EM | DRBB2EM | | 2.5 | 1850 | 60 | 3 |
| DRPI2.5 | DRBI2.5 | | | | | |
| DRPI3 | DRBI3 | | | | | |
| DRPI3EM | DRBI3EM | | 3 | 1850 | 80 | 3.6 |
| DRPB3 | DRBB3 | | | | | |
| DRPB3EM | DRBB3EM | | | | | |
| DRPI4 | DRBI4 | | 4 | 1850 | 160 | 4.8 |
| DRPB4 | DRBB4 | | | | | |
| DRPB4EM | DRBB4EM | | | | | |
| DRPI5 | DRBI5 | | 5 | 1850 | 200 | 6 |
| DRPB5 | DRBB5 | | | | | |

DEL/ROC GUIDE PROFILES minimum roller Ø (mm)

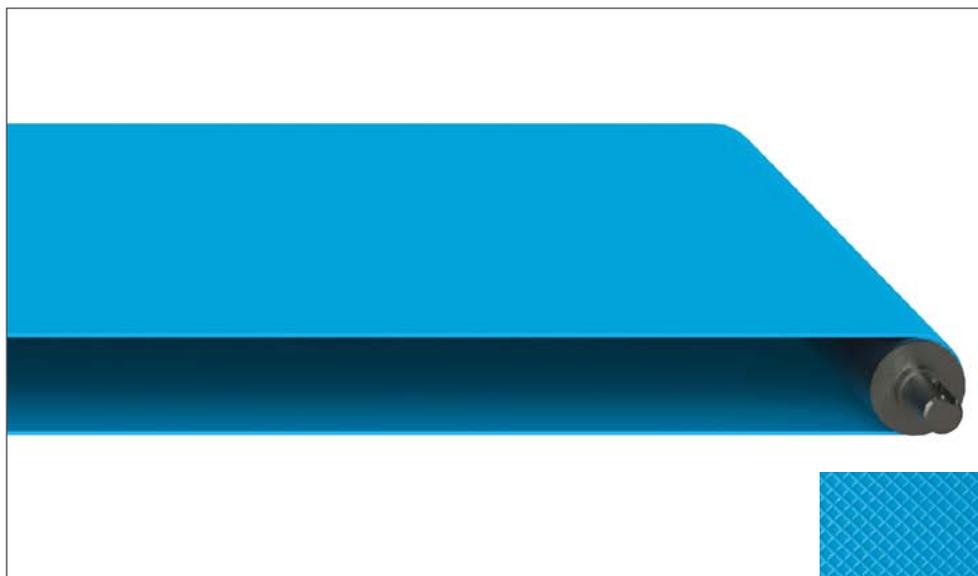


Guide V/FLEX (PVC 60 ShA)

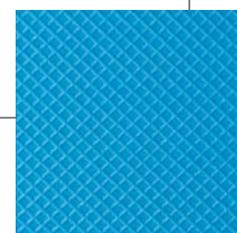
Guide V/FLEX cogged

| Belt thickness (mm) | Guide V/FLEX (PVC 60 ShA) | | | | | Guide V/FLEX cogged | | | | |
|---------------------|---------------------------|------|------|-------|-------|---------------------|------|------|-------|-------|
| | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 |
| 2 | 70 | 80 | 100 | - | - | - | 70 | 90 | - | - |
| 2.5 | 80 | 100 | 110 | 130 | - | - | 90 | 100 | 110 | - |
| 3 | 110 | 130 | 140 | 150 | 200 | - | 110 | 120 | 130 | 150 |
| 4 | 160 | 180 | 200 | 210 | 220 | - | 160 | 180 | 190 | 200 |
| 5 | 200 | 210 | 220 | 240 | 250 | - | 200 | 210 | 230 | 240 |

DEL/FLEX



Food quality (EC - FDA)



Feature

- Underside smooth or structured.
- Easy to clean.
- Abrasion resistant.
- Resistant to cuts.
- Tear resistant.
- Resistant to chemical attack.
- Flexible.

Application

- Medium load conveying.
- * Abrasive products.
- * Troughed application.

Methods of joining

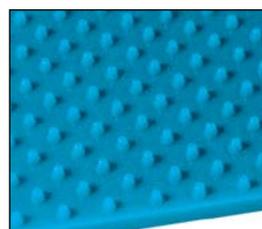
- Butt welded.
- Overlap in heat press
- Electrode welded.
- Stainless or plastic fasteners (including integral welded fasteners).

STRUCTURAL underside (EM)

- Reduces friction on stainless in wet or fatty environments.
- Increased drive traction.

STANDARD EMBOSSING

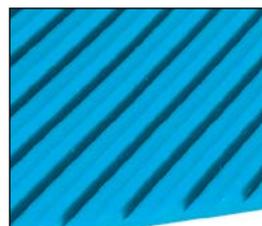
Maximum width: 380 mm.



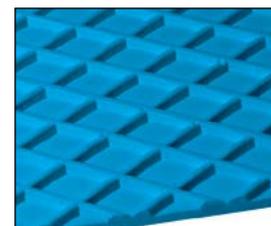
Studs (PI)



Sawtooth (US)



SG3 (SG)



Lattice (LO)

Application of trapezoidal guides, flights and perforations on request.



| DEL/FLEX | |
|-------------------------|---|
| Colour | Blue |
| Material | Polyurethane |
| Hardness | 95 ShA |
| Upper surface | Smooth |
| Lower surface | Smooth or embossed (EM) |
| Traction force | 12 daN/cm ² of section at 1% tension |
| | 19 daN/cm ² of section at 2% tension |
| | 25 daN/cm ² of section at 3% tension |
| Installation tension | 1% to 3% depending on conditions |
| Temperature range | -20°C / +70°C |
| Coefficient of friction | HDPE 0.25 |
| | Steel 0.5 |
| | Stainless 0.6 |

| Flat Belt Width < 100mm | Conveyor Belt Width ≥ 100mm | Belt Thickness (mm) | Maximum Width (mm) | Minimum Ø Pulley (mm) | Weight (kg/m ²) |
|----------------------------|--------------------------------|------------------------|-----------------------|--------------------------|--------------------------------|
| DFPB2 | DFBB2 | 2 | 1850 | 30 | 2.5 |
| DFPB2EM | DFBB2EM | | | | |
| DFPB3 | DFBB3 | 3 | 1850 | 70 | 3.75 |
| DFPB3EM | DFBB3EM | | | | |
| DFPB4 | DFBB4 | 4 | 1850 | 100 | 5 |
| DFPB4EM | DFBB4EM | | | | |
| DFPB5 | DFBB5 | 5 | 1850 | 140 | 6.25 |

DEL/FLEX GUIDE PROFILES

minimum roller Ø (mm)



SOUPLEX Guide (PU 80 ShA)

SOUPLEX guide cogged

| Belt thickness (mm) | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 |
|---------------------|-----|------|------|-------|-------|-----|------|------|-------|-------|
| 2 | 70 | 80 | 100 | - | - | - | 60 | 70 | - | - |
| 3 | 90 | 100 | 120 | 170 | - | - | 75 | 85 | 120 | - |
| 4 | 120 | 140 | 160 | 190 | - | - | 100 | 110 | 140 | - |
| 5 | 150 | 160 | 200 | 240 | - | - | 140 | 140 | 160 | - |

SUPERFLEX Guide (PU 70 ShA)

SUPERFLEX guide cogged

| Belt thickness (mm) | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 |
|---------------------|-----|------|------|-------|-------|-----|------|------|-------|-------|
| 2 | 60 | 65 | 90 | 135 | - | - | - | 65 | 90 | - |
| 3 | 80 | 85 | 100 | 150 | - | - | - | 80 | 110 | - |
| 4 | 100 | 100 | 115 | 165 | - | - | - | 100 | 120 | - |
| 5 | 140 | 140 | 140 | 185 | - | - | - | 140 | 150 | - |

SUPERFLEX 6x4 mm trapezoidal guide: contact us.

DEL/FLEX



Standard quality



Food quality (EC - FDA)

Characteristics

- Easy to clean.
- Abrasion resistant.
- Resistant to cuts.
- Tear resistant.
- Resistant to chemical attack.
- Flexible.

Application

- Medium load conveying.
- Small pulley diameters.
- Abrasive products.
- Troughed application.

Methods of joining

- Butt welded.
- Overlap in heat press
- Electrode welded.
- Stainless or plastic fasteners (including integral welded fasteners).

STRUCTURAL underside (EM)

- Reduces friction on stainless in wet or fatty environments.
- Increased drive traction.

STANDARD EMBOSSING

Maximum width: 380 mm.



Studs (PI)



Sawtooth (US)



SG3 (SG)



Lattice (LO)

Application of trapezoidal guides, flights and perforations on request.



DEL/FLEX

| DEL/FLEX | |
|-------------------------|---|
| Colour | Green or white |
| Material | Polyurethane |
| Hardness | 93 ShA |
| Upper surface | Smooth |
| Lower surface | Smooth or embossed (White EM) |
| Traction force | 10 daN/cm ² of section at 1% tension |
| | 15 daN/cm ² of section at 2% tension |
| | 20 daN/cm ² of section at 3% tension |
| Installation tension | 1% to 3% depending on conditions |
| Temperature range | -20°C / +70°C |
| Coefficient of friction | HDPE 0.25 |
| | Steel 0.5 |
| | Stainless 0.6 |

| Flat belt Width < 100mm | Conveyor belt Width ≥ 100mm | Colour | Belt Thickness (mm) | Maximum Width (mm) | Minimum Ø Pulley (mm) | Weight (kg/m ²) |
|----------------------------|--------------------------------|--------|------------------------|-----------------------|--------------------------|--------------------------------|
| DFPG1.5 | DFBG1.5 | | 1.5 | 1850 | 20 | 1.87 |
| DFPW1.5 | DFBW1.5 | | | | | |
| DFPG2 | DFBG2 | | 2 | 1850 | 30 | 2.5 |
| DFPW2 | DFBW2 | | | | | |
| DFPW2EM | DFBW2EM | | | | | |
| DFPG3 | DFBG3 | | 3 | 1850 | 70 | 3.75 |
| DFPW3 | DFBW3 | | | | | |
| DFPW3EM | DFBW3EM | | | | | |
| DFPG4 | DFBG4 | | 4 | 1850 | 100 | 5 |
| DFPW4 | DFBW4 | | | | | |
| DFPG5 | DFBG5 | | 5 | 1850 | 140 | 6.25 |
| DFPW5 | DFBW5 | | | | | |

DEL/FLEX GUIDE PROFILES minimum roller Ø (mm)



SOUPLEX Guide (PU 80 ShA)

| Belt thickness (mm) | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 |
|---------------------|-----|------|------|-------|-------|-----|------|------|-------|-------|
| 2 | 90 | 100 | 140 | - | - | - | 70 | 80 | - | - |
| 3 | 110 | 130 | 180 | 220 | 280 | - | 85 | 100 | 140 | 200 |
| 4 | 130 | 170 | 220 | 260 | 350 | - | 100 | 120 | 160 | 220 |
| 5 | 160 | 200 | 250 | 300 | 400 | - | 140 | 150 | 180 | 240 |

SOUPLEX guide cogged

SUPERFLEX Guide (PU 70 ShA)

| Belt thickness (mm) | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 |
|---------------------|-----|------|------|-------|-------|-----|------|------|-------|-------|
| 2 | 60 | 65 | 90 | 135 | - | - | - | 65 | 90 | - |
| 3 | 80 | 85 | 100 | 150 | - | - | - | 80 | 110 | - |
| 4 | 100 | 100 | 115 | 165 | - | - | - | 100 | 120 | - |
| 5 | 140 | 140 | 140 | 185 | - | - | - | 140 | 150 | - |

SUPERFLEX guide cogged

SUPERFLEX 6x4 mm trapezoidal guide: contact us.

DEL/FLEX REINFORCED



Food quality (EC - FDA)



Lower face reinforced
with polyester fabric.

Feature

- Low elongation.
- Low friction coefficient on conveyor bed.
- Abrasion resistant.
- Resistant to cuts.
- Tear resistant.
- Good tensile strength.

Application

- Medium to heavy load capacity.
- Long centre distances possible.
- Anti-static.

Methods of joining

- Butt welding.
- Electrode welding.
- Stainless fastener.

STANDARD EMBOSSING

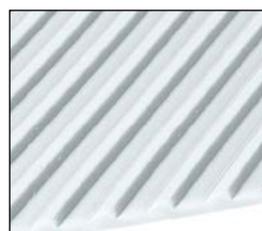
Maximum width: 380 mm.



Studs (PI)



Sawtooth (US)



SG3 (SG)



Lattice (LO)

Application of trapezoidal guides, flights and perforations on request.



DEL/FLEX REINFORCED

| DEL/FLEX reinforced | |
|-------------------------|------------------------------------|
| Colour | White |
| Material | Polyurethane |
| Hardness | 93 ShA |
| Upper surface | Smooth |
| Lower surface | Polyester fabric |
| Traction force | 7 daN/cm of width at 1% tension |
| | 17.5 daN/cm of width at 2% tension |
| Installation tension | 1% to 2% depending on conditions |
| Temperature range | -20°C / +80°C |
| Coefficient of friction | HDPE 0.25 |
| | Steel 0.35 |
| | Stainless 0.35 |

| Flat Belt Width < 100mm | Conveyor Belt Width ≥ 100mm | Belt Thickness (mm) | Maximum Width (mm) | Minimum Ø Pulley (mm) | Weight (kg/m ²) |
|----------------------------|--------------------------------|------------------------|-----------------------|--------------------------|--------------------------------|
| DFPW3RF | DFBW3RF | 3 | 1850 | 80 | 3.6 |

REINFORCED DEL/FLEX BELTS

Ø minimum roller Ø (mm)



 SUPERFLEX Guide (PU 70 ShA)

 SUPERFLEX guide cogged

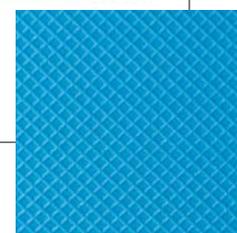
| Belt thickness (mm) | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 |
|---------------------|-----|------|------|-------|-------|-----|------|------|-------|-------|
| 3 | 90 | 100 | 120 | 160 | - | - | - | 100 | 130 | - |

SUPERFLEX 6x4 mm trapezoidal Guide: contact us.

SOUPLEX



Food quality (EC - FDA)



Feature

- Easy to clean.
- Abrasion resistant.
- Resistant to cuts.
- Tear resistant.
- Resistant to chemical attacks.
- High friction.
- Very flexible.
- Good elasticity.

Application

- Light load conveying.
- Short conveying distances.
- Small pulley \emptyset .

Methods of joining

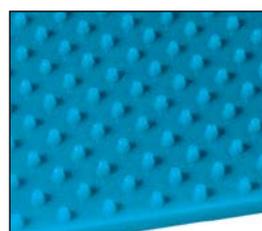
- Butt welding.
- Overlap in heat press.
- Stainless fasteners.

STRUCTURAL underside (EM)

- Reduces friction on stainless in wet or fatty environments.
- Increased drive traction.

STANDARD EMBOSSING

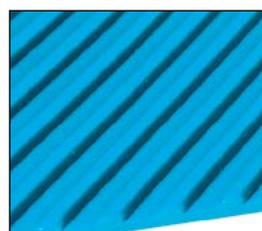
Maximum width: 380 mm.



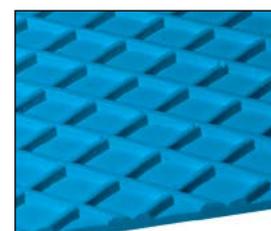
Studs (PI)



Sawtooth (US)



SG3 (SG)



Lattice (LO)

Application of trapezoidal guides, flights and perforations on request.



SOUPLEX

| SOUPLEX | |
|-------------------------|---|
| Colour | Blue |
| Material | Polyurethane |
| Hardness | 85 ShA |
| Upper surface | Smooth |
| Lower surface | Smooth or embossed (EM) |
| Traction force | 4 daN/cm ² of section at 2% tension |
| | 6 daN/cm ² of section at 3% de tension |
| | 8 daN/cm ² of section at 4% de tension |
| Installation tension | 3% to 5% depending on conditions |
| Temperature range | -20°C / +60°C |
| Coefficient of friction | HDPE 0.35 |
| | Steel 0.6 |
| | Stainless 0.7 |

| Flat Belt Width < 100mm | Conveyor Belt Width ≥ 100mm | Belt Thickness (mm) | Maximum Width (mm) | Minimum Ø Pulley (mm) | Weight (kg/m ²) |
|----------------------------|--------------------------------|------------------------|-----------------------|--------------------------|--------------------------------|
| SXPB2 | SXBB2 | 2 | 1850 | 20 | 2.5 |
| SXPB2EM | SXBB2EM | | | | |
| SXPB3 | SXBB3 | 3 | 1850 | 40 | 3.75 |

SOUPLEX GUIDE PROFILES

minimum roller Ø (mm)



 **SOUPLEX Guide (PU 80 ShA)**

| Belt thickness (mm) | SOUPLEX Guide (PU 80 ShA) | | | | | SOUPLEX guide coggèd | | | | |
|---------------------|---------------------------|------|------|-------|-------|----------------------|------|------|-------|-------|
| | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 |
| 2 | 60 | 80 | 100 | - | - | - | - | 60 | - | - |
| 3 | 70 | 90 | 110 | 160 | 180 | - | - | 70 | 100 | 140 |

 **SUPERFLEX Guide (PU 70 ShA)**

| Belt thickness (mm) | SUPERFLEX Guide (PU 70 ShA) | | | | | SUPERFLEX guide coggèd | | | | |
|---------------------|-----------------------------|------|------|-------|-------|------------------------|------|------|-------|-------|
| | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 |
| 2 | 40 | 60 | 80 | - | - | - | - | 55 | - | - |
| 3 | 60 | 75 | 90 | 140 | - | - | - | 65 | 85 | - |

SUPERFLEX 6x4 mm trapezoidal guide: contact us.

SOUPLEX



Standard quality



Food quality (EC - FDA)

Feature

- Easy to clean.
- Abrasion resistant.
- Resistant to cuts.
- Tear resistant.
- Resistant to chemical attack.
- High friction.
- Very flexible.
- Good elasticity.

Application

- Light load conveying.
- Short conveying distances.
- Small pulley \varnothing .

Methods of joining

- Butt welding.
- Overlap in heat press.
- Stainless fasteners.

STANDARD EMBOSSING

Maximum width: 380 mm.



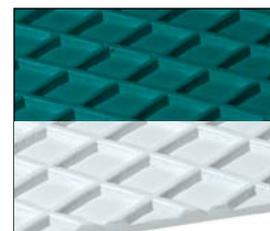
Studs (PI)



Sawtooth (US)



SG3 (SG)



Lattice (LO)

Application of trapezoidal guides, flights and perforations on request.



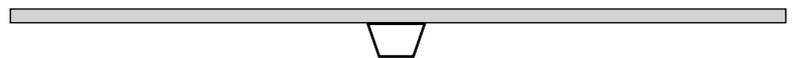
SOUPLEX

| SOUPLEX | |
|-------------------------|--|
| Colour | Green or White |
| Material | Polyurethane |
| Hardness | 85 ShA |
| Upper surface | Smooth |
| Lower surface | Smooth |
| Traction force | 4 daN/cm ² of section at 2% tension |
| | 6 daN/cm ² of section at 3% tension |
| | 8 daN/cm ² of section at 4% tension |
| Installation tension | 3% to 5% depending on conditions |
| Temperature range | -20°C / +60°C |
| Coefficient of friction | HDPE 0.35 |
| | Steel 0.6 |
| | Stainless 0.7 |

| Flat Belt Width < 100mm | Conveyor Belt Width ≥ 100mm | Colour | Belt Thickness (mm) | Maximum Width (mm) | Minimum Ø Pulley (mm) | Weight (kg/m ²) |
|----------------------------|--------------------------------|--------|------------------------|-----------------------|--------------------------|--------------------------------|
| SXPG2 | SXBG2 | | 2 | 1850 | 20 | 2.5 |
| SXPW2 | SXBW2 | | | | | |
| SXPG3 | SXBG3 | | 3 | 1850 | 40 | 3.75 |
| SXPW3 | SXBW3 | | | | | |
| SXPG4 | SXBG4 | | 4 | 1850 | 60 | 5 |
| SXPW4 | SXBW4 | | | | | |

SOUPLEX GUIDE PROFILES

minimum roller Ø (mm)



SOUPLEX Guide (PU 80 ShA)

| Belt thickness (mm) | SOUPLEX Guide (PU 80 ShA) | | | | | SOUPLEX guide coggèd | | | | |
|---------------------|---------------------------|------|------|-------|-------|----------------------|------|------|-------|-------|
| | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 |
| 2 | 80 | 90 | 130 | - | - | - | 55 | 65 | - | - |
| 3 | 100 | 120 | 160 | 200 | 260 | - | 70 | 80 | 120 | 180 |
| 4 | 120 | 140 | 190 | 220 | 280 | - | 85 | 100 | 140 | 200 |

SUPERFLEX Guide (PU 70 ShA)

| Belt thickness (mm) | SUPERFLEX Guide (PU 70 ShA) | | | | | SUPERFLEX guide coggèd | | | | |
|---------------------|-----------------------------|------|------|-------|-------|------------------------|------|------|-------|-------|
| | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 | 8x5 | 10x6 | 13x8 | 17x11 | 22x14 |
| 2 | 40 | 60 | 80 | - | - | - | - | 55 | - | - |
| 3 | 60 | 75 | 90 | 140 | - | - | - | 65 | 85 | - |
| 4 | 80 | 90 | 110 | 160 | - | - | - | 80 | 100 | - |

SUPERFLEX 6x4 mm trapezoidal guide: contact us.

ARAMIDE REINFORCED FLAT BELT



Food quality (EC - FDA)

Features

- No elongation due to Aramide cables.
- High impact resistance.
- High resistance to abrasion and cuts.

Application

- Small pulley diameters.
- Medium to heavy load capacity.
- Abrasive products.

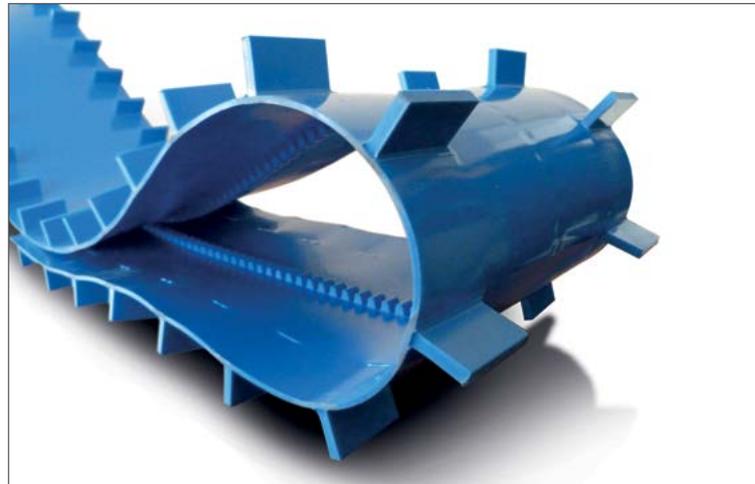
Method of joining: Joined in our workshops and supplied endless.

| FLATBELT | | |
|-------------------------|--|------|
| Colour | Blue | |
| Material | Polyurethane | |
| Hardness | 95 ShA | |
| Upper surface | Smooth | |
| Lower surface | Smooth | |
| Traction force | 75 daN per 100mm width at 0.5% tension | |
| Installation tension | 0.4% to 0.6% | |
| Temperature range | -20°C / +70°C | |
| Coefficient of friction | HDPE | 0.25 |
| | Steel | 0.5 |
| | Stainless | 0.6 |

| Flat Belt Width < 100mm | Conveyor Belt Width ≥ 100mm | Belt Thickness (mm) | Maximum Width (mm) | Minimum Ø Pulley (mm) | Weight (kg/m ²) |
|----------------------------|--------------------------------|------------------------|-----------------------|--------------------------|--------------------------------|
| FBPB100R2.3 | FBBB100R2.3 | 2.3 | 350 | 45 | 2.9 |



PROBELT ARAMIDE REINFORCED



Food quality (EC - FDA)

Features

- No elongation due to Aramide cords.
- High impact resistance.
- High resistance to abrasion and cuts.
- Excellent guidance due to the moulded guide on the reverse

Application

- Small pulley diameters.
- Medium to heavy load capacity.
- Abrasive products.
- Resistant to Lateral forces.

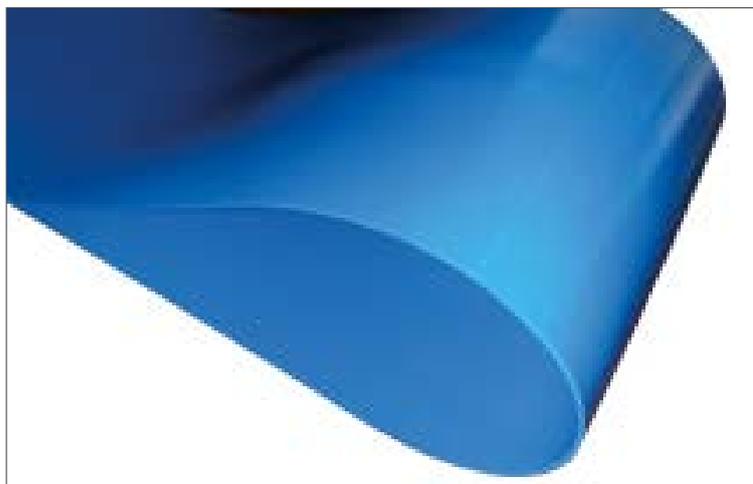
Method of joining: Joined in our workshops and supplied endless.

| PROBELT | | |
|-------------------------|---|------|
| Colour | Blue | |
| Material | Polyurethane | |
| Hardness | 95 ShA | |
| Upper surface | Smooth | |
| Lower surface | Smooth + 10x6 notched guide moulded centrally | |
| Traction force | 75 daN per 100mm of width at 0.5% tension | |
| Installation tension | 0.4% to 0.6% | |
| Temperature range | -20°C / +70°C | |
| Coefficient of friction | HDPE | 0.25 |
| | Steel | 0.5 |
| | Stainless | 0.6 |

Moulded guide 10x6mm rectangular cross section.

| Flat belt Width < 100mm | Conveyor Belt Width ≥ 100mm | Belt Thickness (mm) | Maximum Width (mm) | Minimum Ø Pulley (mm) | Weight (kg/m ²) |
|----------------------------|--------------------------------|------------------------|-----------------------|--------------------------|--------------------------------|
| PBPB110R2.3 | PBBB110R2.3 | 2.3 | 350 | 50 | 2.9 |

ELASTOBELT



Food quality (EC - FDA)
Standard embossing possible on the upper surface

Feature

- High grip.
- Very flexible.
- High resistance to impact and abrasion.
- Very good elasticity, ideal for conveyors without tensioning system.
- Small pulley diameters.

Application

- Pulley linings.
- Sleeve.
- Bibs, scrapers, protection...
- Coating on flat and trapezoidal straps.
- Conveying very low loads over short distances.

Joining method: Butt welded or mechanical fasteners.

| ELASTOBELT | | | |
|-------------------------|-----------|--|--|
| Colour | | Blue | Blue |
| Material | | Polyurethane | |
| Hardness | | 80 ShA | 70 ShA |
| Upper surface | | Smooth | Smooth |
| Lower surface | | Smooth | Smooth |
| Traction force | | 4.5 daN/cm ² of section at 3% tension | 2.7 daN/cm ² of section at 3% tension |
| | | 5.7 daN/cm ² of section at 4% tension | 3.7 daN/cm ² of section at 4% tension |
| | | 8.7 daN/cm ² of section at 6% tension | 5.8 daN/cm ² of section at 6% tension |
| Installation tension | | 3% to 6% depending on conditions | |
| Temperature range | | -20°C / +60°C | -20°C / +60°C |
| Coefficient of friction | HDPE | 0.35 | 0.35 |
| | Steel | 0.6 | 0.6 |
| | Stainless | 0.7 | 0.7 |

| Flat Belt Width < 100mm | Conveyor Belt Width ≥ 100mm | Belt Thickness (mm) | Maximum Width (mm) | Minimum Ø Pulley (mm) | Weight (kg/m ²) |
|----------------------------|--------------------------------|------------------------|-----------------------|--------------------------|--------------------------------|
| EB70PB1.6 | EB70BB1.6 | 1.6 | 360 | 12 | 2 |
| EB80PB1.6 | EB80BB1.6 | 1.6 | 360 | 18 | 2 |
| EB80PB3 | EBO80BB3 | 3 | 360 | 30 | 3.75 |



TOTALGRIP



Food quality (EC - FDA)
Standard embossing possible on the upper surface

Feature

- High grip.
- Very flexible.
- High impact resistance.
- High abrasion resistance.
- Very good elasticity, ideal for conveyors without tensioning system.

Application

- Pulley linings.
- Sleeves.
- Bibs, scrapers, protection...
- Coating on flat and trapezoidal straps.
- Conveying very low loads over short distances.

Joining method: Butt welded or mechanical fasteners.

| TOTALGRIP | |
|-------------------------|--|
| Colour | Translucent |
| Material | Polyurethane |
| Hardness | 70 ShA |
| Upper surface | Smooth |
| Lower surface | Smooth |
| Traction force | 2.7 daN/cm ² of section at 3% tension |
| | 3.7 daN/cm ² of section at 4% tension |
| | 5.8 daN/cm ² of section at 6% tension |
| Installation tension | 3% to 6% depending on conditions |
| Temperature range | -20°C / +60°C |
| Coefficient of friction | HDPE 0.35 |
| | Steel 0.6 |
| | Stainless 0.7 |

| Flat Belt Width < 100mm | Conveyor belt Width ≥ 100mm | Belt thickness (mm) | Maximum Width (mm) | Minimum Ø Pulley (mm) | Width (kg/m ²) |
|----------------------------|--------------------------------|------------------------|-----------------------|--------------------------|-------------------------------|
| TLPT1.5 | TLBT1.5 | 1.5 | 360 | 15 | 1.9 |
| TLPT3 | TLBT3 | 3 | 360 | 25 | 3.75 |
| TLPT4 | TLBT4 | 4 | 360 | 40 | 5 |

CLEATS & ATTACHMENTS



HIGH FREQUENCY WELDED CLEATS ON DEL/FLEX AND SOUPLEX BELTS

- No glue.
- Excellent adhesion.
- Radiussed base: easy cleaning and prevention of bacteria development.

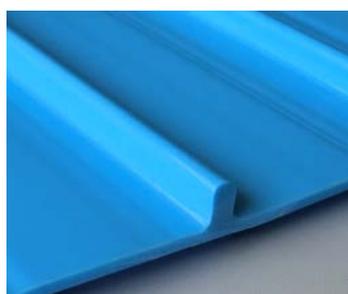
VERTICAL CLEATS



For other non-standard cleats, consult us.

| MATERIAL | THICKNESS (mm) | HEIGHT (mm) | MAXIMUM WIDTH (mm) | MINIMUM PITCH (mm) |
|---------------------|----------------|-------------|--------------------|--------------------|
| DEL/FLEX SOUPLEX | 2 | 5 to 130 | 1000 | 24 |
| | 3 | 5 to 130 | 1000 | 25 |
| | 4 | 5 to 130 | 1000 | 26 |
| | 5 | 5 to 130 | 1000 | 27 |
| | 8 | 120 max. | 1000 | 30 |

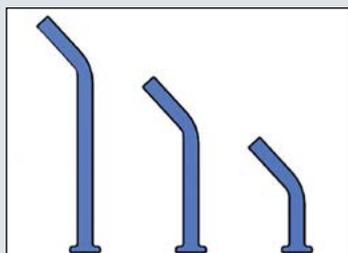
ROUND TOP CLEATS



| MATERIAL | THICKNESS (mm) | HEIGHT (mm) | MAXIMUM WIDTH (mm) | MINIMUM PITCH (mm) |
|------------------------|----------------|-------------|--------------------|--------------------|
| SOUPLEX 80 ShA Blue | 6 | 10 | 1000 | 28 |
| | 7.5 | 12.5 | 1000 | 30 |
| | 9 | 14 | 1000 | 31 |
| | 12 | 18 | 1000 | 34 |

CRANKED CLEATS

Cleats with angled ends.



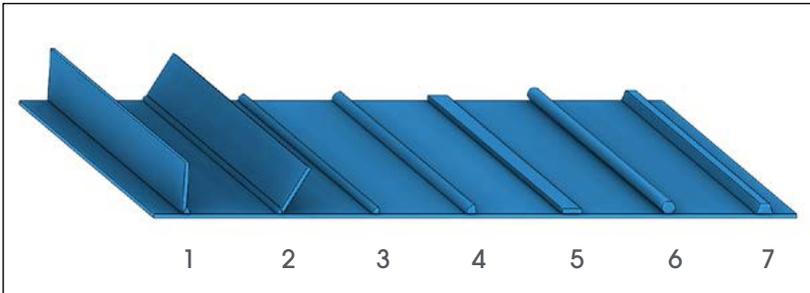
Maximum width: 280mm.

| MATERIAL | THICKNESS (mm) | HEIGHT OF UPRIGHT (mm) | ANGLE | LENGTH OF CRANK (mm) |
|--------------|----------------|------------------------|----------------------|----------------------|
| Polyurethane | 5 maximum | 20 | Approximately 45° | 20 |
| | | 40 | | |
| | | 60 | | |



EQUIPMENT

HOT AIR WELDED CLEATS WITH DEL/ROC, DEL/FLEX AND SOUPLEX PROFILES



- 1 - 90° vertical cleat - thickness 2 or 3mm.
 - 2 - Angled cleat inclined at 60° min.
 - 3 - Triangular profile welded on its side - height 4mm.
 - 4 - Triangular profile welded on its side - height 6mm.
 - 5 - Flat profile.
 - 6 - Round profile.
 - 7 - Trapezoidal profile.
- For any other profiles: contact us.

| MATERIAL | THICKNESS (mm) | MINIMUM HEIGHT (mm) | MAXIMUM WIDTH (mm) | MINIMUM PITCH (mm) |
|----------|----------------|---------------------|--------------------|---------------------|
| DEL/ROC | 2 | 10 | Width of belt | Height of the cleat |
| DEL/FLEX | 3 | | | |
| SOUPLEX | 4 | | | |
| | 5 | | | |

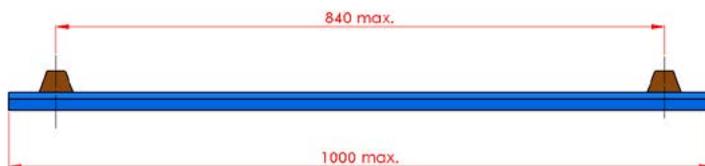
GUSSET



Gussets can be welded to the reverse of the cleat to provide support. Gussets should be positioned according to the width of the cleat, the load supported and its distribution on the cleat.

TRAPEZOIDAL PROFILES

Trapezoidal profiles of 6x4mm, 8x5mm, 10x6mm, 13x8mm or 17x11mm can be welded on the upper surface of the belt.



Note - The addition of profiles will increase the minimum pulley diameters.

SIDE WALLS

- For efficient containment of conveyed product (bulk).
- Heights from 20 to 80 mm.
- It's possible to weld longitudinal side guides.
- The minimum pulley diameter of the belt should be at least 2.5 times greater than the wall height.
- Belts with mechanical fasteners can also have the walls fastened mechanically.



SPECIAL BELTS



BLACK PRIMAFLEX

| | |
|---------------|-------------------|
| Colour | Black |
| Material | Polyurethane |
| Hardness | 90 ShA |
| Upper surface | Smooth |
| Lower surface | Smooth or brushed |



Standard embossing possible
on the upper side.

Feature

- Shock resistant.
- Abrasion resistant.
- Resistant to cuts.
- Tear resistant.

Application

- Saw blade protection.
- Bibs, scrapers, protection...

| Flat belt width < 100mm | Conveyor Belt width ≥ 100mm | Belt Thickness (mm) | Maximum Width (mm) | Weight (kg/m ²) |
|----------------------------|--------------------------------|------------------------|--------------------|--------------------------------|
| PRPN3 | PRBN3 | 3 | 360 | 3.75 |
| PRPN4 | PRBN4 | 4 | 360 | 5 |

FLAT BELT AND MULTI-MATERIAL BELT

- Standard thickness material can be laminated to create a thicker product.
- Maximum width: 140 mm. • Maximum thickness: 35 mm.

| Product | DEL/FLEX | | SOUPLEX | ELASTOBELT | TOTALGRIP |
|-----------|-----------------|-----------------|--------------------------|-------------|---------------|
| Hardness | 95 ShA | 93 ShA | 85 ShA | 80 / 70 ShA | 70 ShA |
| Colour | Blue | Green, White | Blue, Green and White | Blue | Translucent |
| Thickness | 2 - 3 - 4 - 5mm | | 2 - 3 - 4 - 5mm | 1.6 - 3mm | 1.5 - 3 - 4mm |

Embossing possible on one side.



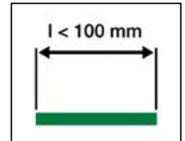


FLAT BELTS

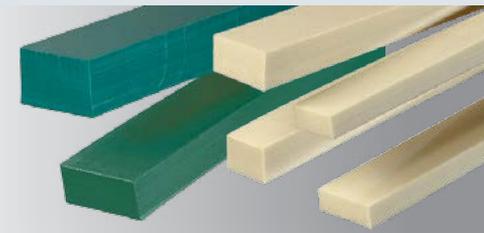
FLAT BELT



- Flat belt: any width < 100 mm.
- * Quality: **DEL/ROC, DEL/FLEX, SOUPLEX, TOTALGRIP** and **ELASTOBELT**.
- * Studded, Sawtooth, SG3 and lattice are possible on all polyurethane materials.



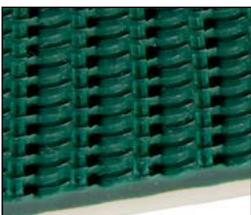
BARS



- Material: **DEL/ROC, DEL/FLEX, SOUPLEX, TOTALGRIP, ELASTOBELT**.
- Maximum width: 140 mm
- Max thickness: 35 mm.

FLAT BELT COVERINGS

- Applied on **DEL/ROC, DEL/FLEX** and **SOUPLEX** belts (except PVC griptop on **DEL/FLEX** Belt).
- Maximum width: 140 mm.



Griptop PVC
35 ShA (NA)



Griptop rubber
50 ShA (NC)



Polyester felt
(FP)



Aramid felt
(FA)



Linatex
40 ShA (LI)

Other coatings, please contact us.

TOOLING



BUTT WELDING

CONVEYOR BELTS

Easy to use, quick and easy joining of belts on site or in the workshop.

| REFERENCE | MAXIMUM WIDTH (mm) | POWER (Watt) | VOLTAGE (V) |
|-----------------|--------------------|--------------|-------------|
| KITSOUDURED400 | 400 | 615 | 220 |
| KITSOUDURED650 | 650 | 900 | 220 |
| KITSOUDURED1100 | 1100 | 1450 | 220 |



Welding Table



Welding blade



Welding Kit

FLAT BELTING AND CONVEYOR BELTS UP TO 210mm IN WIDTH



MC200 iron

Electronic temperature control
Power :300W

J200 B clamp

For belts \leq 210 mm
and belts with
trapezoidal guides
13x8mm or 17x11mm



FLAT BELTING AND CONVEYOR BELTS UP TO 120mm IN WIDTH



MC100 iron

Electronic temperature control
Power : 220W

J100 B clamp

For flat belting \leq 120mm
and flat belting with
trapezoidal guides
10x6mm and 13x8mm



FLAT BELTS UP TO 60mm IN WIDTH



MC50 iron

Electronic temperature control
Power: 150W

J50 clamp

for flat belting
 \leq 60 mm
and round belting
of all diameters





TOOLING

HOT AIR WELDING

- Electrode welding of the belt by means of a PU or Polyester welding rod applied into the bevel formed by the 2 ends previously cut at 45°.

Tools required:

- **T1400** or **T1900** jig for holding the belt during cutting of the ends and welding of the belt.
- * **TR600** hot air gun with either a **BR5** or **BR7** nozzle for welding.
- * **1/4-Moon knife** for cutting the ends of the belt and a trimming fork (**F19**) for removing excess material from the weld.



This tooling can also be used to attach cleats and repair damaged belts.

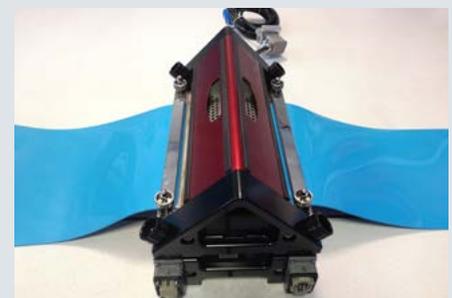
OTHER METHODS OF JOINING

HEAT PRESS WELDING

Method similar to standard belt types.

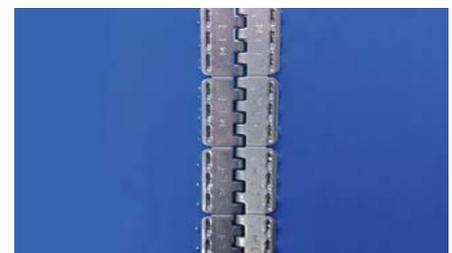
- DEL/FLEX and SOUPLEX belts: Belt ends cut square and overlapped 5mm in a press.

This process is not suitable for DEL/ROC belts.



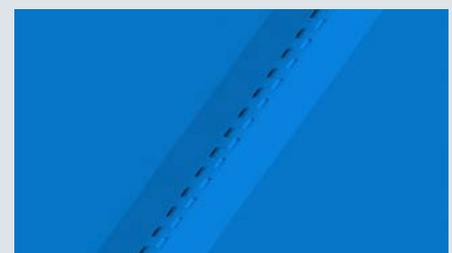
STAINLESS FASTENERS

- Joints comprise 2 half-staples with a coated stainless pin.
- For belt thickness 1.5 mm to 5 mm.
- All widths.
- Fasteners are hammered on by using a special tool and a specially designed jig.
- Suitable for all DEL/ROC, DEL/FLEX and SOUPLEX bands.



PLASTIC WELDED FASTENERS

- Available on certain thicknesses of polyurethane or polyester monolithics. Please enquire.
- Food quality (EC - FDA).
- Allows use on metal detectors.
- Up to 1100 mm in width.
- Recommended for Pulley diameters greater than 120 mm.

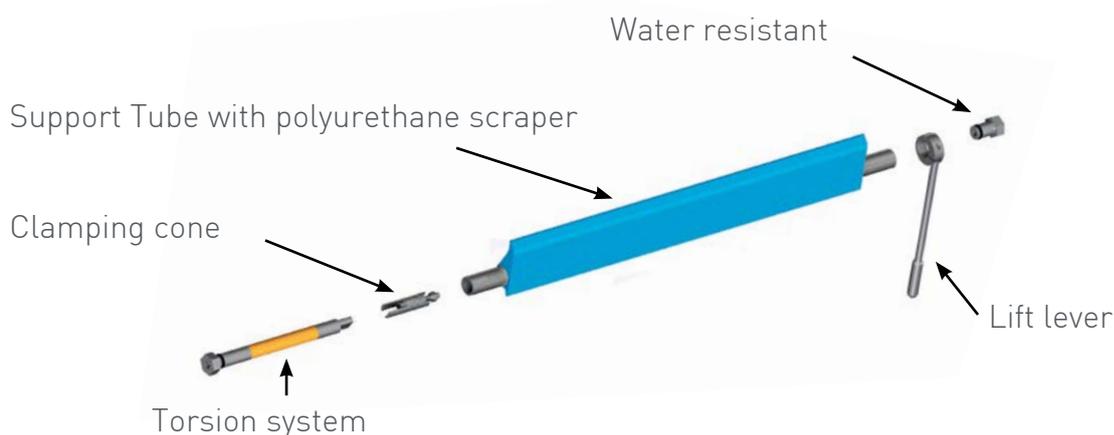


SCRAPERS



The DEL/CLEAN scraper ensures effective cleaning, permanent cleanliness of the conveyor belts and prevents :

- the fouling of the conveyor
- contamination of the substances transported
- material losses

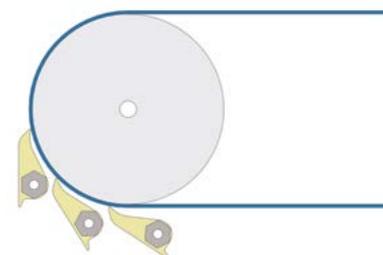


The DEL/CLEAN scraper has many advantages :

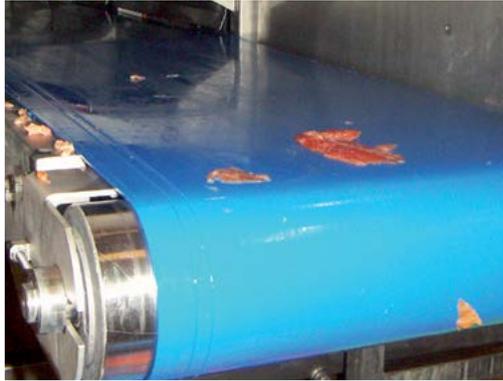
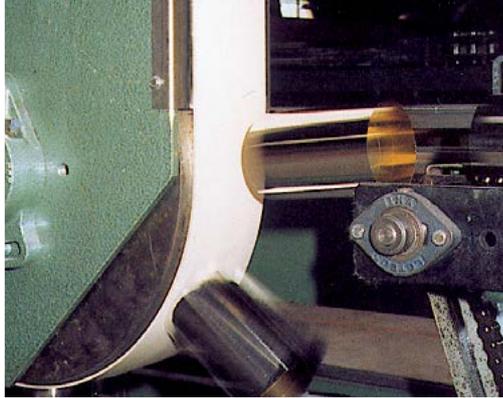
- Small footprint
- No lateral offset
- Quick and easy installation
- Adaptable to any existing or new installation
- Suitable for all types of conveyor belts
- Easy to clean
- Simplified Maintenance
- High resistance to hydrolysis: Ether Base
- High abrasion resistance: Ester Base



The position of the scraper may vary depending on the need for product recovery.



| SCRAPER REFERENCE | TUBE | SCRAPER | | | TORSION SYSTEM | |
|-------------------|--------|-------------|-------------|--------|----------------|------------|
| | Ø (mm) | Height (mm) | Width (mm) | Colour | Simple | Heavy duty |
| NT70-22-W | 22 | 70 | 300 to 1100 | White | ST22-S | ST22-R |
| NT70-22-B | | | | Blue | | |
| NT100-27-W | 27 | 100 | 400 to 1500 | White | ST27-S | ST27-R |
| NT100-27-B | | | | Blue | | |





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