CLEATS & ATTACHMENTS

HIGH FREQUENCY WELDED CLEATS ON DEL/FLEX AND SOUPLEX BELTS

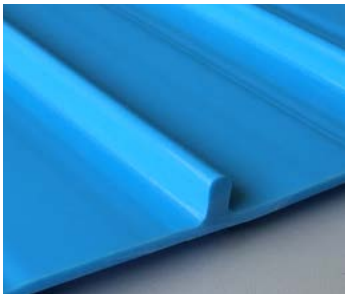
- No glue.
- Excellent adhesion.
- Radiussed base: easy cleaning and prevention of bacteria development.

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

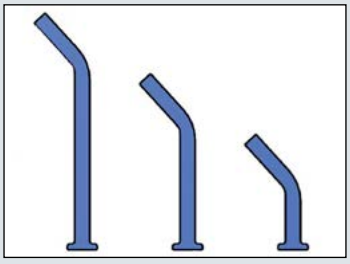
ROUND TOP CLEATS



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

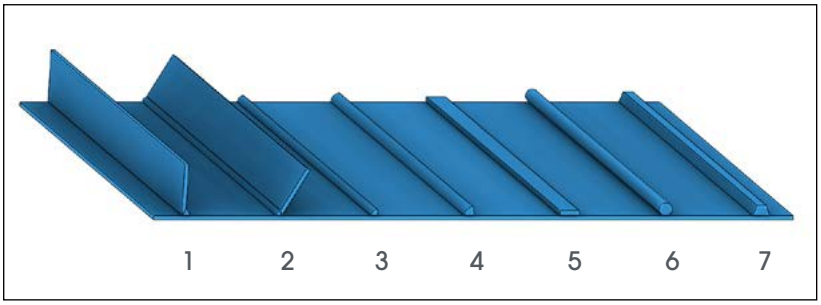
Cleats with angled ends.



Maximum width: 280mm.

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

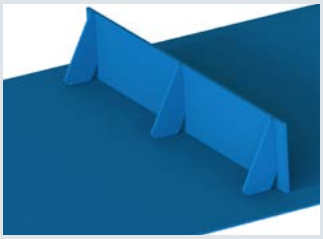
HOT AIR WELDED CLEATS WITH DEL/ROC, DEL/FLEX AND SOUPLEX PROFILES



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 DEL/FLEX SOUPLEX	2 3 4 5	10	Width of belt	Height of the cleat

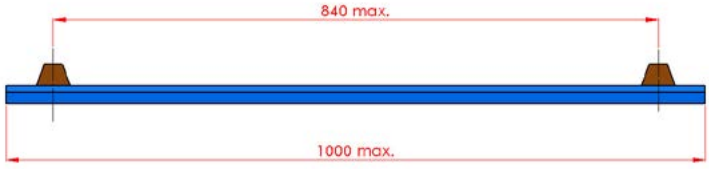
GUSSET



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.

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.


TR600


BR5 or BR7

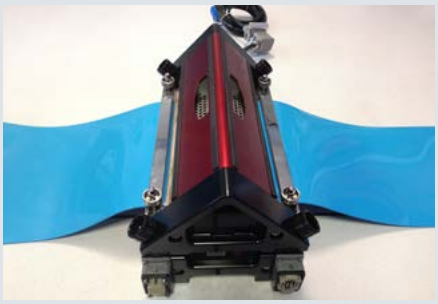

LUNE


F19

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

OTHER METHODS OF JOINING

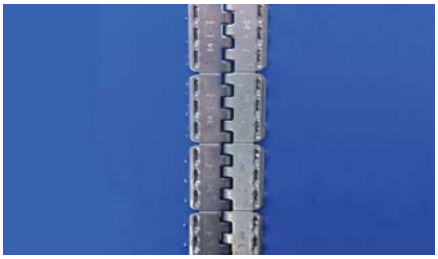
HEAT PRESS WELDING



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.