

Pin Plate and Holder Selection Guide

Pin specification, seat profiles by machine brand, holder hold sizes, and how to identify what your frame takes from a sample part.

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The Standard Pin Specification

The common pin stenter carries pins about 5 mm long, mounted in two rows at roughly three to four pins per centimetre along the base plate. The pins are thicker near the base to prevent direct contact of the fabric with the hot base plate. The plate sits on a pin plate holder, the holder is attached to the chain, and a press wheel presses the fabric onto the pins so it travels forward with the chain. Pinning increases the tension you can hold on the fabric, which is what lets the cloth run faster, up to 100 m per minute.

Parameter	Value
Pin length	approx 5 mm
Pin rows	2
Pin density	approx 3-4 pins/cm
Max fabric speed enabled	up to 100 m/min
LK holder hold size	76 mm standard
PI film plate material	high strength stainless steel, heat resistant to 800 degrees

Pin Plates By Machine Brand

Part	Machine	Notes
E+L KF 2020 Pneumatic Web Guider and Selvage Holder	-	Pneumatic edge holder that keeps the web centred and the selvage open at the stenter infeed.
E+L ELSPREADER Pneumatic Selvage Uncurler LPA 03	-	Air-powered selvage spreader that opens curled edges just before pinning, without touching the cloth hard.
EHWHA Pin Plate Holder	EHWHA stenter	Pin plate holder matched to EHWHA frames, the part that carries the plate on the chain.
Bruckner Stenter Chain With Pin Plate Section	Bruckner stenter	Complete Bruckner chain section with pin plates and holders already mounted.
Bruckner Stenter Pin Plate Assembly	Bruckner stenter	Pin plate supplied assembled with its Bruckner holder, ready to fit to the chain.
Pin Plate 642 Small Size	-	The small-size 642 pin plate for narrow beds and tight pin positions.
Pin Plate For Artos Stenters	Artos stenter	Artos profile pin plate with the standard two-row 5 mm pin bed.
Pin Plate For KRANTZ Stenters	KRANTZ stenter	KRANTZ profile pin plate with the standard two-row 5 mm pin bed.
Pin Plate 707 and 708	-	The 707 and 708 pin plate sizes, held as a standing specification.
Pin Plate For IL SUNG Stenters	IL SUNG stenter	IL SUNG profile pin plate for the Korean-built frames, supplied with matching PEEK nuts.

Part	Machine	Notes
Stainless Steel Pin Plate For Polyimide Film Lines	-	High strength stainless pin plate rated to 800 degrees for PI film stenter lines.
Pin Needles For Textile Stenter Machines	-	Replacement pins for stenter pin plates, supplied loose for re-pinning rather than plate replacement.
Pin Plate For Stenter Machines	-	The standard pin plate: two rows of roughly 5 mm pins at 3 to 4 pins per cm on a hardened base plate.
Pin Plate For Bruckner Stenters Type 1	Bruckner stenter	Bruckner profile pin plate with the standard two-row 5 mm pin bed.
Pin Plate For LK Stenters	LK stenter	LK profile pin plate, part of our full LK spare parts range including rail, chain and holders.
Pin Plate For Bruckner Stenters Type 2	Bruckner stenter, alternative seat profile	The alternative Bruckner seat profile for frames the Type 1 plate does not fit.
Pin Plate For Artos Stenters Wide Base	Artos stenter, wide seat profile	Wide-base Artos pin plate for frames whose holder seat takes the broader plate.
Pin Plate For Monforts Stenters Type 1	Monforts stenter	Monforts profile pin plate, the first of the two base profiles we hold for Monforts frames.
Pin Plate For Monforts Stenters Type 2	Monforts stenter, alternative seat profile	The second Monforts base profile we hold, for frames whose holder seat differs from Type 1.

Clip Or Pin

Clip stenters leave no pin marks in the selvage and the edges of the cloth come out relatively flat, which suits thicker fabrics. The clip requires a specific edge, preferably a selvage, to grip, and is usually confined to woven fabrics. Pin stenters hold more tension and run faster; customers will accept pinholes in the selvages associated with pin stenters. A double use part is available for Monforts frames that can be used as a pin stenter and also as a clip stenter, which removes the bed changeover.

Before You Order

- Gauge the holder seats with a new plate. If the plate rocks, the holder has worn and a new plate will bend its own pins within a shift.
- Renew by section rather than plate by plate, so pin height stays continuous along the bed.
- Send one plate per machine as a sample. We identify the seat profile and record it.
- Re-pinning is worthwhile only where the base plate is flat and the bores are sound.
- Reset press wheel pressure after any bed renewal.