

# Flyers

## Texparts® Maier Flyer

The whole is more than the sum of its parts

The Texparts® Maier Flyer is one of the key technology components for a roving frame which ensures that the whole will become a premium product.

Premium performance will only be achieved by a bobbin with the following attributes:

- A consistent bobbin build-up
- Precise laying of the roving on the bobbin
- A uniform material density – from the center outwards
- A constant roving tension
- A robust bobbin build-up to allow free handling
- Less roving hairiness and
- Constant roving count

If these conditions are met a high quality yarn and a trouble free running in the ring spinning process are guaranteed.

### The individual parts of the sum

#### Experience

“Maier Flügel” stands for field tested products with more than 50 years of know how and further process development.

#### Perfect smooth running at highest speed

The specific constructions combined with a balanced presser are the guarantee for smooth running with a uniform roving tension from the start to the end for a precise and robust package built-up. An additional warrant for a perfect running behavior is the quality control of each part.



#### Safe Presser Fixing System

It enables an accurate and constant work of the presser - even after repeated fixing - as well as no extra vibrations because of a loose presser caused by not tightened screws.

#### Soft roving guidance

A special polishing technique for a smoother interior surface of the hollow arm facilitates an easier guidance of the roving.

#### Respect for resources

As a result of lower weight of the aluminum flyer compared to a traditional flyer made of steel and the prevention of air turbulence by an aerodynamic design energy savings will be achieved.

#### Full product portfolio

Each customer has different requirements as for example an automatic or manual roving frame, with several machine gauges and bobbin sizes:

#### Texparts® Maier FL 1

- Conventional spindle
- Spindle driven

#### Texparts® Maier FL 2

- With extended central shaft
- Top driven

#### Texparts® Maier FL 3

- Without extended central shaft
- Top driven

#### Oerlikon Textile Components GmbH

Maria-Merian-Strasse 8 · 70736 Fellbach · Germany

T +49 711 58 521 0 · F +49 711 58 521 59

info-texparts@oerlikon.com · www.components.oerlikontextile.com

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# Flyer Accessories and Service

## Texparts® Maier Flyer

### False Twister

An ideal False Twister for every application inserts a protective twist into the pre-roving, which is strengthened from the exit of the weighting arm to the package. A strengthened pre-roving reduces loose fibers as well as a false draft.

### Presser

The presser supports the compacting, uniform winding and density of the bobbin. We recommend the chrome-plated presser made of steel for all-purposes. The pressers have the exact weight and are balanced on the offered flyers.

The safe fixing method - pressers are screwed to the flyer by a screw pin and bush - is ensured even after repeated fixing.

### Nipples

The small piece has a lot of impact on the protection of the shaft end. A missing nipple can lead to damages on the shaft during the bobbin change as well as broken one may even lead to a damaged bobbin.

Therefore regular maintenance intervals of the easy changeable nipples are highly recommended.

### Service

We offer maintenance recommendations for your Texparts® Maier Flyer for the following positions:

- Hollow Arm / Inside Tube
- Presser
- Bushes
- Nipple
- False Twister
- Screw Pin
- Central Shaft



### False Twister - Product Portfolio

Name False Twister	Bore Diameter (mm)	No. of Serrations	Sizes			Fiber Material	Roving Count (Ne)	Suitable for	
			Diameter d (mm)	Sitting height h (mm)	Total height H (mm)				
Texparts® FT1	PU	8	10	19.2	10.5	21.7	CO	All Counts	Texparts Flyer
Texparts® FT2	PU	13	12	19.4	10.5	21	PES, PAN and Belnds	All Counts	Texparts Flyer
Texparts® FT8	PU	5.5	10	19.3	10.5	21.5	CO	< 2.5	Texparts Flyer
Texparts® FT6	PU	6.2	10	19.2	10.5	21.7	CO	< 2.0	Texparts Flyer
Texparts® FT4	PU	8	12	19.2	10.5	21.7	CO	All Counts	Texparts Flyer
Texparts® FT10	PU	10	12	19.4	10.5	22	All material	Cotton -> 1.0 Other material < 1.0	Texparts Flyer
Texparts® FT5	PU	8.4	10	19.2	10.5	42	CO	All Counts	Texparts Flyer
Texparts® FT7	PU	5.5	10	19.3	10.5	21.5	CO	< 2.5	Texparts Flyer
Texparts® FT33	Rubber	7.5	-	19.5	7.5	25	CO	All Counts	Texparts / Texmaco / Howa Flyer
Texparts® FT34	Rubber	7.5	10	19.5	7.5	25.5	CO	All Counts	Texparts / Texmaco / Howa Flyer
Texparts® FT23	PU	7.5	-	18.7	7.5	25	All material	All Counts	Texparts / Texmaco / Howa Flyer
Texparts® FT24	PU	7.5	10	18.7	7.5	25	All material	All Counts	Texparts / Texmaco / Howa Flyer

### Presser - Product Portfolio

Presser Type	Presser Material	Roving Count (Ne)	Fiber Material
Texparts® PR Universal - Chrome plated	Steel	All Counts	All materials
Texparts® PR - Standard Black	Steel	All Counts	Cotton