

BEARINGS OPTIMISED FOR FILM STRETCHING LINES

Jesa.
bearing solutions



why choose us?

Benefits for you:

- ✓ Swiss Made
- ✓ Designed, developed and manufactured in Switzerland
- ✓ Tested and approved to European industrial specifications
- ✓ Longlife for less maintenance and higher productivity
- ✓ Value for money

our application

After controlled cooling, the primary film passes through the longitudinal stretching machine, where the film is stretched in machine direction by several groups of driven rollers in the direction of the machine running at different speeds.

In the following transverse stretching machine, the film is gripped by clips on both sides and stretched width ways whilst applying heat. Cross loads up to 3'500 N per clip can occur. Material and bearings have to withstand temperatures in the range of 100 to 250°C at production speeds between 100 and 500m/min according to output and film thickness.



STEEL



Single row

The JESA range covers outer diameters from 16 mm to 52 mm. The bearings will operate under dynamic loads between 1'100 N to 10'500 N.

Double row

JESA has developed a double row roller bearing for very specific applications that reach dynamic loadings up to 6'000 N.

Seals

Single row ball bearings
Double row ball bearings

LR Series
LRD Series

FPM labyrinth
Steel labyrinth

STAINLESS STEEL



Bespoke profiles

For bespoke applications, we can adapt, enhance or create new designs at your request.

We would love to add value to your future projects.

JESA as partner



idea



development



production



delivery

SHAFTS



BESPOKE PROFILES

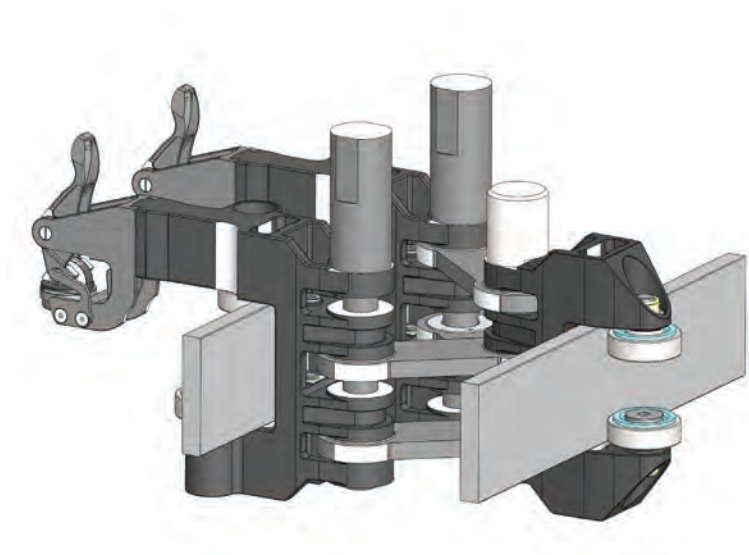


our products

JESA offers direct contact between its customer and the producer/designer. Moreover, all the rollers are *Swiss Made*.

CAPABILITIES FOR TRACK ROLLERS

FEATURE	RANGE / DESCRIPTION
Bearing type	Ball, single and double row track roller
Size range of inner bore diameters	5 mm to 20 mm
Size range of outer diameters	16 mm to 52 mm
Ring materials	Steel 100Cr6, stainless steel 1.4125 and steenox
Optimised clearance	C3 to C4
Cage materials	Steel cage riveted
Seal materials	FPM labyrinth non-contact seals
Grease	Optimised lubrication high temperature PFPE
Operating temperature	Special heat treatment for high temperature up to 250°C
Performance targets	Superfinished precision raceways to provide optimal lifetime expectancy
Applications	Film stretching machine for food industry, packaging, electronics, battery



our references

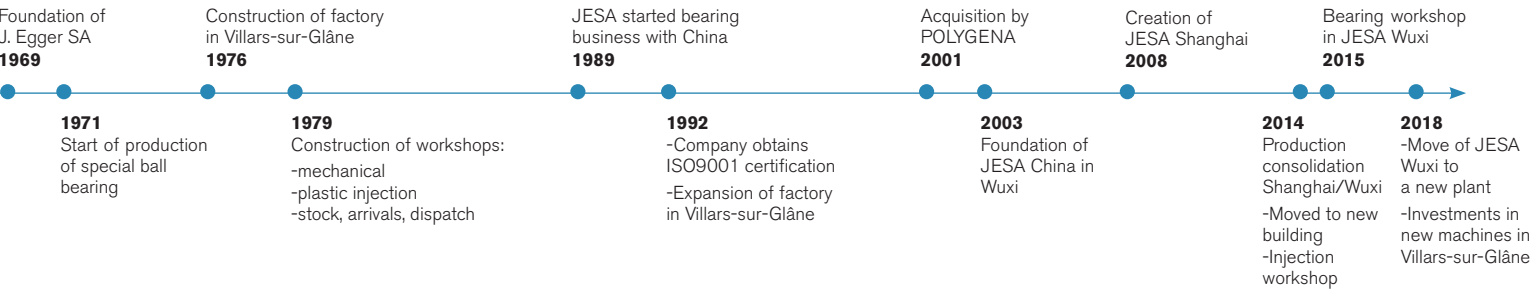
Many reputable manufacturers

our certifications



about JESA

Founded in 1969 by Mr. Joseph Egger in Villars-sur-Glâne in the Swiss Canton of Fribourg, JESA is currently a limited company belonging to the POLYGENA group and employs a workforce of approximately 300 people. A specialist in bespoke precision ball bearing solutions and innovative units containing engineering polymers, JESA has been a leading player in this market for 50 years. With a worldwide presence, its turnover is around 50 million Swiss francs. JESA regularly invests in cutting-edge technology production and equipment in order to maintain its operational excellence.



PRODUCTION IN SWITZERLAND



PRODUCTION IN CHINA





- Sales offices
- Production sites and sales offices

Follow us on social medias



JESA SA (Switzerland)

Rte du Petit-Moncor 9
1752 Villars-sur-Glâne
Switzerland
Phone: +41 26 408 47 00
info@jesa.com
www.jesa.com

JESA (Wuxi) Co., Ltd

222-1 Chengnan Road
New District, 214028
Wuxi, China
Phone: +86 510 88151555
info@jesa.com
www.jesa.com