

# LR SERIES OPTIMISED BEARINGS FOR PLASTIC FILM STRETCHING LINES



## SOLUTION ADVANTAGES

- Designed, developed and manufactured in Switzerland for 15 years
- Tested and approved to European industrial specifications
- High quality 100Cr6 steel controlled in Switzerland
- Special heat treatment for high temperatures up to 250°C
- Quality steel cage designed to operate in conditions of high acceleration, frequent temperature change and variable speeds
- Optimised lubrication high temperature PFPE grease providing long lifetime
- Low friction FPM or galvanised steel, Labyrinth non-contact seals
- Superfinished precision raceways to provide optimal lifetime expectancy
- Range of different bearings sizes to fit the specific requirements of most of the machines used
- Superior lifetime thus reducing maintenance and increasing productivity

## TECHNICAL SPECIFICATION

### SINGLE ROW BALL BEARINGS

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

### DOUBLE ROW BALL BEARINGS

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	LR Series	FPM labyrinth
Double row ball bearings	LRD Series	Steel labyrinth

## AVAILABLE DIMENSIONS (in mm)

### Single row ball bearings

JESA designation	Bore	ext. Ø	Width
LR605	5	16	5
LR608 / LRB608	8	24	7
LR201-34	12	34	10
LR202	15	40	11
LR202-42	15	42	11
LR6203-42	17	42	12
LR203	17	47	12
LR204	20	52	14

### Double row ball bearings

JESA designation	Bore	ext. Ø	Width
LRD 17/40-18	17	40	18



100% MADE IN SWITZERLAND

## APPLICATION

JESA ball bearings are used in plastic film stretching machines. They provide the guiding function of the drawing line. JESA bearings requires zero maintenance as it is pre-greased for all its operational lifetime.

Depending on the specifics of the application in terms of final product, film thickness and stretching characteristics, the bearings will perform continuously under large radial loading and up to temperatures of 250°C and at speeds of between 100 and 500m/min.