

**G E** series  
SINGLE CYLINDER  
GE625DFE - GE525DFE



# SINGLE CYLINDER

GE625DFE - GE525DFE

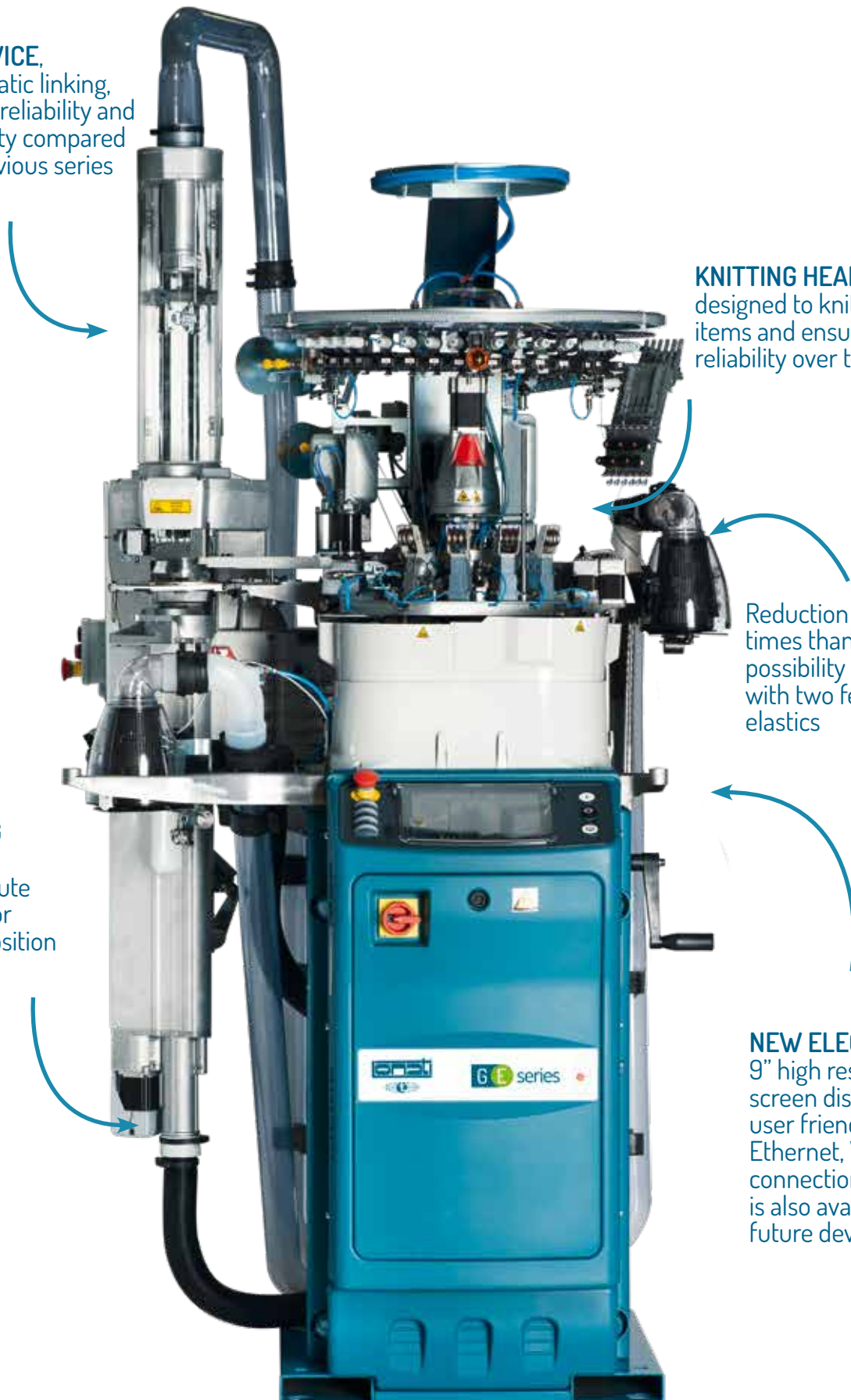
**SBYS DEVICE,**  
for automatic linking,  
increased reliability and  
productivity compared  
to the previous series

**KNITTING HEAD**  
designed to knit high quality  
items and ensure constant  
reliability over time

Reduction of production  
times thanks to the  
possibility of knitting  
with two feeds and two  
elastics

**STEPPING  
MOTORS**  
with absolute  
encoder for  
angular position  
control

**NEW ELECTRONICS**  
9" high resolution touch  
screen display. New  
user friendly interface.  
Ethernet, WiFi, NFC  
connections, Bluetooth  
is also available for  
future developments





All images in this brochure are indicative and not binding.

## SINGLE CYLINDER GE625DFE - GE525DFE

2 feeds single cylinder machine for the production of socks for men, women and children in plain knit, terry or selected plating terry in any part of the sock included heel and toe. Compared to the DF version, the E version adds a second elastic which allows the stitch formation in 2 feeds and 2 elastics (colour pattern possibility in one feed only). Closed toe "SbyS" true linking device external to the machine.

### MANUFACTURING FEATURES

- Five colours plus ground on the same course in one feed.
- Mesh, tucked and floated stitch, with five colours on the same course in one feed.
- 3D effects in any area of the sock
- Jacquard in two feeds
- Laid-in elastic areas in two feeds with two elastics, without pattern.

### TECHNICAL FEATURES

- 6-levels electronic sinkers selection with double actuator.
- 8-levels needle-by-needle selection with 9 actuators.
- Independent elastic yarnfingers controlled by stepper motor.
- 9 yarnfingers on the main feed, 4 colour yarnfingers groups with 3 yarnfingers each, fifth colour with 3 yarnfingers using the second feed.
- Second feed with 6 yarnfingers
- 1 elastic yarnfinger each feed.
- 2 pickers and 2 droppers independent system for heel and toe formation and 3D effects.

### MACHINE DIMENSIONS



Lenght max 127.3 cm  
Depth max 114.8 cm  
Height max 228 cm

### MACHINE WEIGHT



Machine ca. 320 Kg

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### TECHNICAL DATA

| MODEL    | CYLINDER DIAMETER | GAUGE            | NEEDLE THICKNESS      |
|----------|-------------------|------------------|-----------------------|
| GE625DFE | 3 3/4"            | from 9 to 17     | 0.85 - 0.70 - 0.60 mm |
| GE525DFE | 4"                | from 8 1/2 to 16 | 0.85 - 0.70 - 0.60 mm |

Above data are indicative and not binding.

### STANDARD DEVICES

- Stepper motor electric dial with adjustable height
- Motorized stitch cams
- Motorized sinker cap for sinkers pressure and angular position
- 9" high resolution touch screen display
- Yarn sliding sensors guard cleaning device
- Heel yarn recover device with four levers
- 2 stepper motor controlled adjustable suction valves
- Fifteen color yarn fingers
- Nine yarn fingers on first feed, six on second feed
- Yarn creel
- USB port
- Circular yarn cutter with mechanical stop
- One yarn finger on laid-in elastic feed 1
- One yarn finger on laid-in elastic 2

### MAIN OPTIONAL DEVICES

- LGL Eco Power or Eco Compact yarn storage feeder, also available with "Attivo" electronic brake version
- Dinema GRYF positive yarn feeders
- Elastic positive yarn feeders, for compression socks
- Dinema Plus elastane positive feeders
- "High-speed/plain mesh" sinker cap
- Motorized sinkers cap for sinkers pressure
- Antitwist device
- Mechanical configuration for footlet article
- Inside-out sock ejection device
- G-Flot device
- G-Flot 2 device
- Elastane extra pliers device
- Recover yarn device, 6 levers
- Yarn trimming circular cutter with adjustable speed
- Lower sock-turning device with rotating tube
- Linking device and yarnfingers inspection led lamps
- Preparation for storage feeder "Unifeeder 2" by BTSR
- License Nautilus by Dinema for data collector system connection
- Yarn sliding control sensors, Dinema ISPY
- Pneumatic yarn tensioner for covered elastane
- Suction fan

### POSSIBLE KNITTING

The standard machine can perform the following knittings

- Mesh, tuck and float stitch, jacquard, 2 feeds, plain knit or terry
- 5 colors pattern plus ground color, tuck and float stitch, 1 feed, plain knit or terry
- With laid-in elastic: five colors pattern plus ground color, mesh, tuck and float stitch, 1 feed, plain knit or terry
- With laid-in elastic: four colors pattern plus ground color, mesh, tuck and float stitch, single feed, plain knit or terry.
- Laid-in elastic in two feeds, one elastic course each knitted course (plain knit or terry).

# SINGLE CYLINDER

## GE625DFE - GE525DFE



### NUMBER OF COLORS

|                  |  |
|------------------|--|
| Number of colors | 5 colors on course plus ground color, one feed |
|------------------|--|

### PERFORMANCES

|                   | 3" 3/4 - 4" CYLINDERS          |
|-------------------|--------------------------------|
| KNITTING FEATURES | Patterns or selections 250 rpm |
|                   | Plain knit sinker cap 250 rpm  |
| MAXIMUM SPEED     | 250 rpm                        |

Above data are indicative and not binding.

**DISCLAIMER:** maximum speed may vary depending on yarn, knitting, lubrication etc

### GAUGE

|          | GAUGE |                          |   |    |   |            |     |            |     |            |     |     |                          |            |     |     |     |     |     |                          |     |     |     |  |
|----------|-------|--------------------------|---|----|---|------------|-----|------------|-----|------------|-----|-----|--------------------------|------------|-----|-----|-----|-----|-----|--------------------------|-----|-----|-----|--|
| Model    | ø     | 6½                       | 7 | 7½ | 8 | 8½         | 9   | 9½         | 10  | 10½        | 11  | 11½ | 12                       | 12½        | 13  | 13½ | 14  | 14½ | 15  | 15½                      | 16  | 16½ | 17  |  |
| GE525DFE | 4"    |                          |   |    |   | 108<br>112 |     | 116<br>120 |     | 128<br>132 | 136 | 144 |                          | 156<br>160 |     | 168 | 176 | 180 | 188 | 192                      | 200 |     |     |  |
|          |       | Needle thickness 0.85 mm |   |    |   |            |     |            |     |            |     |     |                          |            |     |     |     |     |     |                          |     |     |     |  |
|          |       | Needle thickness 0.70 mm |   |    |   |            |     |            |     |            |     |     | Needle thickness 0.70 mm |            |     |     |     |     |     |                          |     |     |     |  |
| GE625DFE | 3"3/4 |                          |   |    |   |            | 108 | 112        | 116 | 120<br>128 | 132 | 136 | 144                      |            | 156 | 160 | 168 |     | 176 | 180                      | 188 | 192 | 200 |  |
|          |       | Needle thickness 0.85 mm |   |    |   |            |     |            |     |            |     |     |                          |            |     |     |     |     |     |                          |     |     |     |  |
|          |       | Needle thickness 0.70 mm |   |    |   |            |     |            |     |            |     |     |                          |            |     |     |     |     |     | Needle thickness 0.60 mm |     |     |     |  |

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#### DISCLAIMER:

All features in the brochure are for information only and subject to change without any prior notice.

For a complete list of available options, please contact Lonati sales network.

The Company accepts no liability for improper use of machinery.

Lonati is recommending needles from

**GROZ-BECKERT®**

# SINGLE CYLINDER

## GE625DFE - GE525DFE

### NOISE LEVEL (Maximum noise output for GE series models)

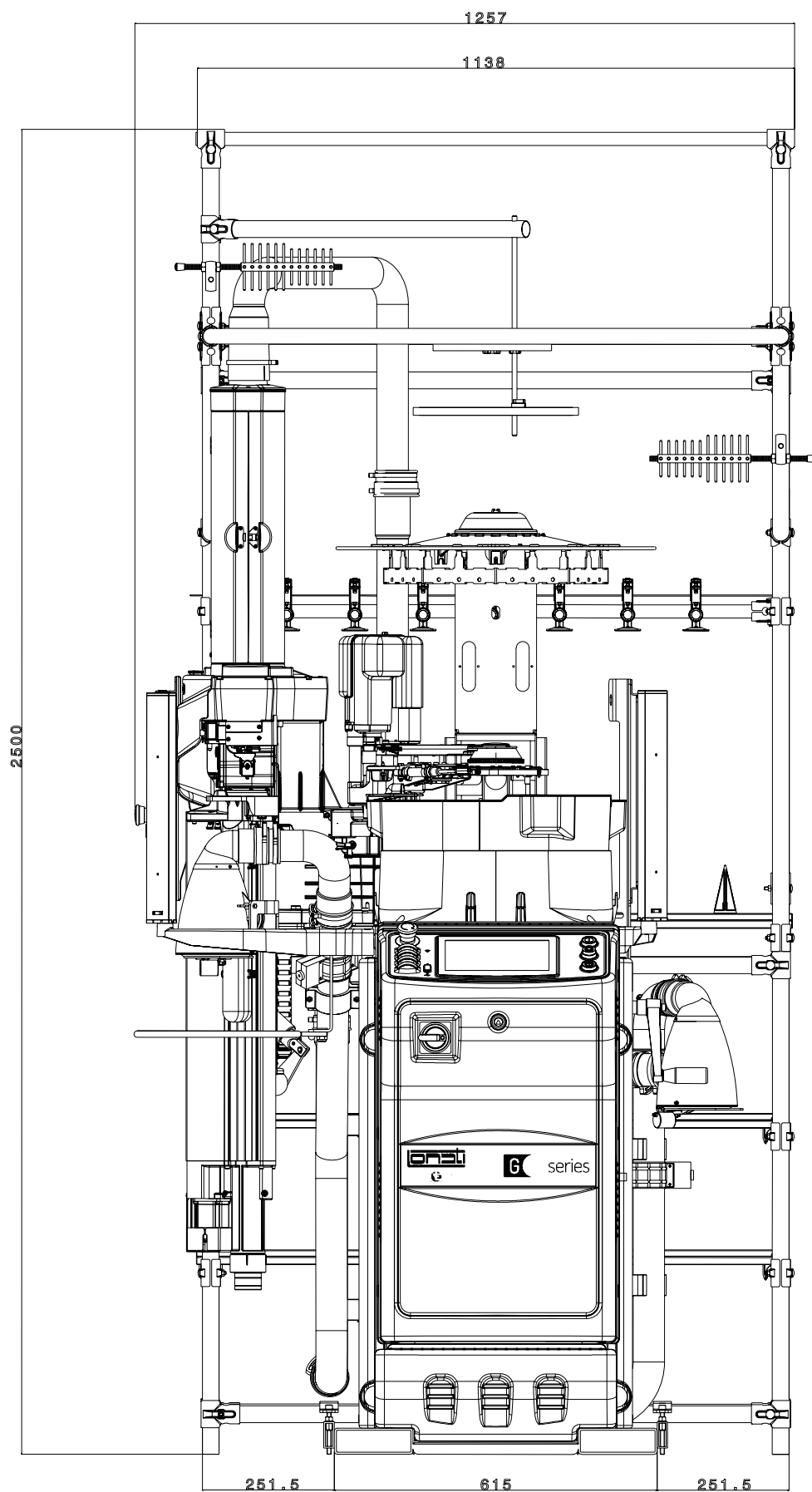
Noise pressure level on reference surface = LPA 79,5 dB - Noise power level = LWA 96,6 dB - Peak= 109,3 dB

### LUBRICANTS

Average consumption for 100 dozens= 270 gr. Lonati recommends: Kluber Madol 183 Supreme - Fuchs Renolin Trax 16C - VICKERLUBE SOCK 46

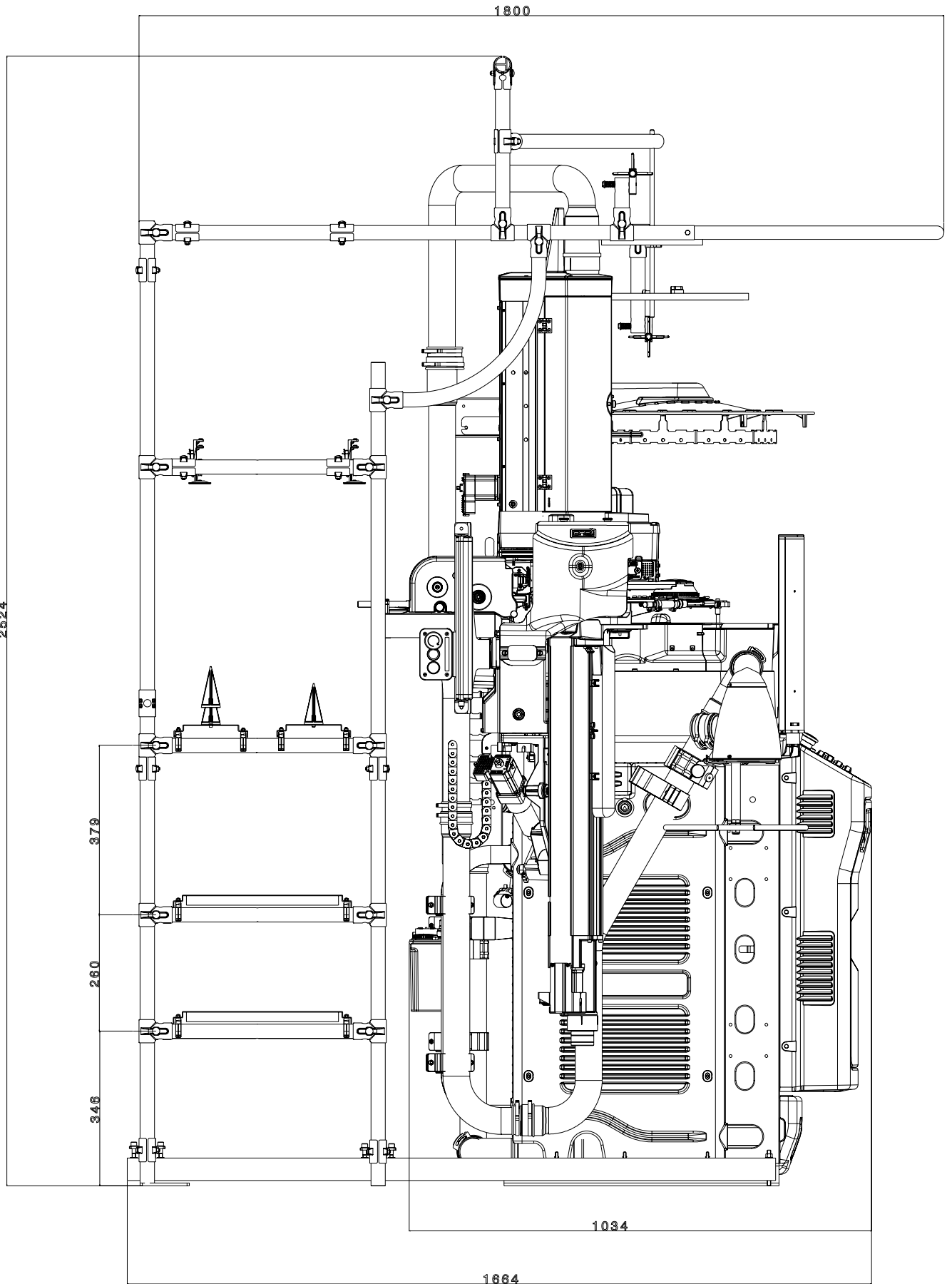
### GREASE

Foe seals, bearings etc: Lonati recommends:TechnolubeSeals Damping grease Nyogel 774F-1



| DESCRIPTION | CODE     | NR. OF REELS | WEIGHT KG. | NOTES                     |
|-------------|----------|--------------|------------|---------------------------|
| Yarn creel  | G3930706 | 23           | 51         | Standard version          |
| Yarn creel  | G3930707 | 23           | 51         | Version with BTSR sensors |





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