

# LEVELING CASTORS





**JUNG on the move.**

# SOME STATIONS.

**1972**

## **FOUNDING**

Karl-Heinz Jung founds the company JUNG in Kernen near Stuttgart.



**1982**

## **FIRST COMPANY BUILDING**

The first own company building is built at the current location in Waiblingen.



**1993**

## **OWN SALES**

JUNG separates from the former exclusive distribution partner and builds up its own sales department.



**2001**

## **NEW BUILDING**

JUNG doubles the production area by building a new hall at the Waiblingen site.



**2002**

## **TUGGER TRAIN**

JUNG expands its product range and now also produces trailers for in-house logistics.

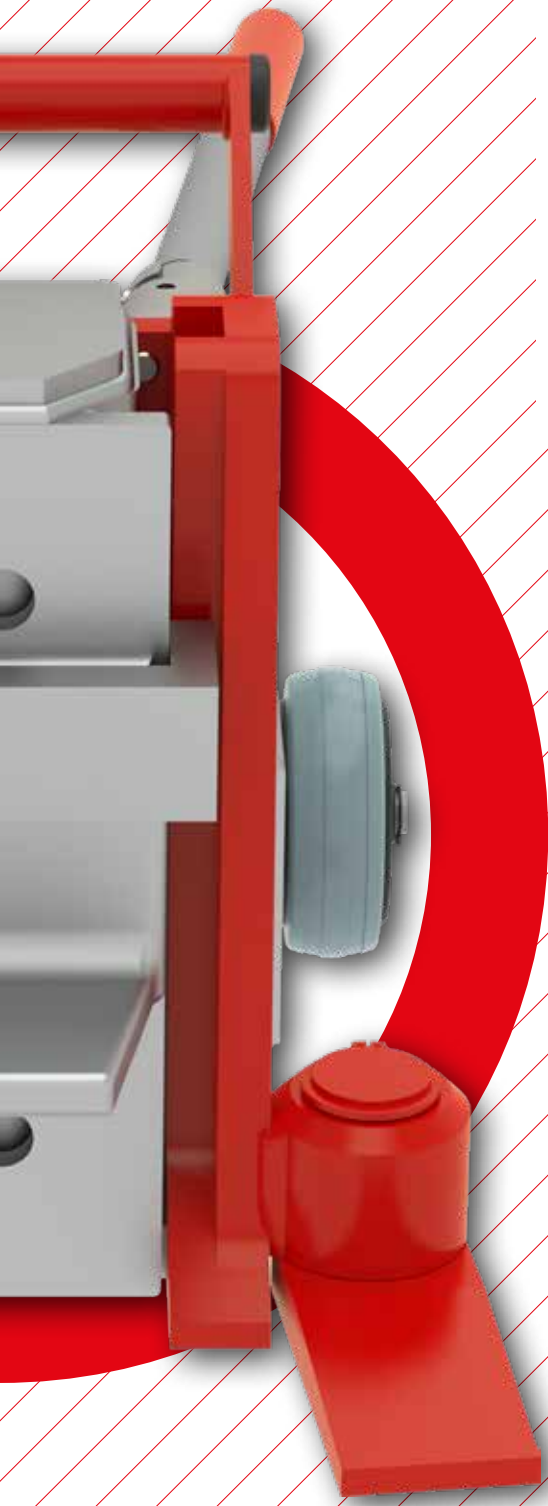


**2003**

## **FOOT MASTER®**

JUNG starts selling FOOT MASTER® leveling castors.





**In several stages, JUNG** was expanded from a one-man operation to an international company. In the meantime JUNG has more than 50 employees. Many of them have been with the company for a long time, in some cases even completed their training at JUNG. Our employees have the goal of working together to achieve the best for our customers. Our ambition for 50 years is to make lifting and moving heavy loads easier, safer and more ergonomic for the user. According to our slogan: JUNG = Innovation, Karl-Heinz Jung and Thomas Würthele, together with the JUNG employees, have developed a large number of different devices to be able to offer the right product for every application.

**2022**

**50 YEARS**

The JUNG company celebrates its 50th anniversary.

**2020**



**SUPPORT TECHNOLOGY**

Expansion of the product range with support technology and surface protection

**2017**



**GORR TRANSPORTECHNIK**

JUNG acquires the company Gorr Transporttechnik GmbH in Eschwege.

**2017**



**LIFTING BAGS**

JUNG starts the distribution of lifting bags.

**2008**

**INDUSTRIAL HYDRAULICS**

JUNG is again expanding its product range to include industrial hydraulics.

**2009**

**EXPANSION**

JUNG further expands the production area by another hall at the Waiblingen site

**2014**



**NEW PRODUCT LINE**

JUNG presents the first electric-powered trolley JLA-e 15/30 G.

# RESPONSIBILITY AWARENESS.

## QUALITY

You can always trust in the quality and durability of our products. To manufacture highest quality we use most modern machines and assure a continuously high standard by a certified quality management system.

State of the art CNC technology, advanced welding robots and a certified quality management system (DIN EN ISO 9001) assure a consistently high level of product quality. Each hydraulic jack is subjected to a pre-shipment function test and receives a test badge displaying the next recommended maintenance check date. Each self-powered trolley is also subjected to a pre-shipment function test.

Following products are ANSI/ASME (USA) tested: JH G-plus, JH G-plus EX, JHS, JKB, series K, series M

## PROCESSES & ENVIRONMENT

As an ISO 9001 certified company we continuously improve our processes by involving our customers, employees and suppliers.

## CUSTOMER

The satisfaction of our customers is in the center of our efforts. Due to our creativity and our expertise, we realize individual customer requests.

## STAFF

The company's success is depending on our staff members. Therefore, we are continuously investing in training and development and support the experience and competence through long-term employment.





**SOCIAL COMMITMENT**

We are a part of Waiblingen and are glad to support regional social and charitable organizations.

**ENVIRONMENT**

We meet our ecological responsibilities in our daily work flow. We utilize our own solar power, obtain power from regenerative energy sources and have examined our ecological accountability under the Ecofit project.

# LEVELING CASTORS

## DESCRIPTION

### **General:**

The wheels are made of polyamide, the leveling pads of types 40 to 100 are made of polyurethane. Type JGD 120 comes with a leveling pad of polyamide and type JGD 150 has a leveling pad of aluminum.

**Optional:** Subject to surcharge the wheels are also available in antistatic version, types 60/80/100 also with polyurethane wheels.

All castors are also available with black frame on request.

**Caution:** The mentioned load capacity is recommended per unit. By using four castors at once you should calculate at most three-times the capacity, e.g. type JGDR 60 can carry 250 kg, when using four castors the total load capacity should not exceed 750 kg.

In the event the weight of equipment exceeds the recommended load or in case of uneven floor the load may be concentrated on two castors even though four castors would be installed. Select a model within the range of recommended load.

### **Advantages in detail:**

- High quality: all FOOT MASTER® are manufactured with high-class material: frame cast aluminium, top plate pressed steel, powder coated, sturdy wheels.
- These products have been manufactured by directive 2011/65/EU RoHS II, attachment IV 2014/16/EU and attachment II 2015/863/EU RoHS 3.
- The types JGDR come with integrated ratchet tool, no need for further device to lift or lower the leveling pad.
- The types JGD and JDGN will be operated with help of a fork spanner (not included) to lift or lower the leveling pad.
- S = hexagonal plate with central threaded hole. The matching threaded rod is included.
- F = rectangular plate with 4 holes for fixing. The corresponding fastening material is included.

# LEVELING CASTORS

Basic line, manually adjustable, load capacity up to 1 500 kg



**JGDN 40 F**



**JGDN 60 S**



**JGDN 80 F**



**JGDN 80 S**

| TYPE  |       |    | JGDN 40 S | JGDN 60 S  | JGDN 80 S  | JGD 100 S    | JGD 120 S     |
|---|-------|----|-----------|------------|------------|--------------|---------------|
| Load capacity                                 |       | kg | 50        | 250        | 500        | 750          | 1 000         |
| Screw thread                                  | A     | mm | M8 x 1,25 | M12 x 1,75 | M12 x 1,75 | M16 x 2,0    | M16 x 2,0     |
| Bore hole                                     | B     | mm | 40        | 46         | 65         | 65           | 65            |
| Diameter (LxWxH)                              | FxCxI | mm | 84x58x71  | 101x70x82  | 125x85x102 | 142,5x98x120 | 141,5x100x120 |
| Wheel housing                                 | D     | mm | 41        | 53         | 64         | 67           | 70            |
| Wheel   | Ø JxE | mm | 42x20     | 50x25      | 63x30      | 75x30        | 75x33         |
| Stroke  | K     | mm | 10        | 10         | 15         | 12           | 12            |
| Distance outer edge wheel to centre top plate | L     | mm | 51        | 61         | 77,5       | 90,5         | 89,5          |
| Distance middle wheel to centre top plate     | M     | mm | 30        | 36         | 46         | 53           | 52            |
| Max. gradient angle                           | Ø     |    | 13°       | 11°        | 11°        | 11°          | 11°           |
| Weight  |       | kg | 0,4       | 0,75       | 1,35       | 1,85         | 2,1           |
| Recommended load for four castors             |       | kg | 150       | 750        | 1 500      | 2 250        | 3 000         |

ORDER NO.

■ 35 040 025-S ■ 35 060 125-S ■ 35 080 250-S ■ 35 100 375-S ■ 35 120 500-S

| TYPE  |       |    | JGDN 40 F | JGDN 60 F | JGDN 80 F  | JGD 100 F    | JGD 120 F    | JGD 150 F   |
|---|-------|----|-----------|-----------|------------|--------------|--------------|-------------|
| Load capacity                                 |       | kg | 50        | 250       | 500        | 750          | 1 000        | 1 500       |
| Screw thread                                  | A     | mm | 4 x Ø 6,5 | 4 x Ø 7   | 4 x Ø 9    | 4 x Ø 11     | 4 x Ø 11     | 4 x Ø 13    |
| Bore hole                                     | B     | mm | 42        | 58        | 70         | 70           | 70           | 70          |
| Diameter (LxWxH)                              | FxCxI | mm | 84x55x71  | 101x73x82 | 125x90x102 | 142,5x95x120 | 141,5x95x120 | 178x100x132 |
| Wheel housing                                 | D     | mm | 41        | 53        | 64         | 67           | 70           | 104         |
| Wheel   | Ø JxE | mm | 42 x 20   | 50 x 25   | 63 x 30    | 75 x 30      | 75 x 33      | 96 x 52     |
| Stroke  | K     | mm | 10        | 10        | 15         | 12           | 12           | 15          |
| Distance outer edge wheel to centre top plate | L     | mm | 51        | 61        | 77,5       | 90,5         | 89,5         | 117         |
| Distance middle wheel to centre top plate     | M     | mm | 30        | 36        | 46         | 53           | 52           | 69          |
| Max. gradient angle                           | Ø     |    | 13°       | 11°       | 11°        | 11°          | 11°          | 9°          |
| Weight  |       | kg | 0,4       | 0,8       | 1,4        | 1,9          | 2,2          | 3,5         |
| Recommended load for four castors             |       | kg | 150       | 750       | 1 500      | 2 250        | 3 000        | 4 500       |

ORDER NO.

■ 35 040 025-F ■ 35 060 125-F ■ 35 080 250-F ■ 35 100 375-F ■ 35 120 500-F ■ 35 150 750-F

# LEVELING CASTORS

**Ratchet version, load capacity up to 500 kg**



**JGDR 60 S**



**JGDR 60 F**



**JGDR 80 S**



**JGDR 80 F**

| TYPE  |          | JGDR 60 S           | JGDR 80 S           | JGDR 60 F           | JGDR 80 F           |
|---|----------|---------------------|---------------------|---------------------|---------------------|
| Load capacity                                 | kg       | 250                 | 500                 | 250                 | 500                 |
| Screw thread                                  | A mm     | M12 x 1,75          | M12 x 1,75          | N 4 x Ø 7,0         | 4 x Ø 9,0           |
| Bore hole                                     | B mm     | 46                  | 65                  | G 58                | 70                  |
| Diameter (LxWxH)                              | FxCxI mm | 101x70x82           | 125x85x102          | FxHxI 101x73x82     | 125x90x102          |
| Wheel housing                                 | D mm     | 53                  | 64                  | D 53                | 64                  |
| Wheel   | Ø JxE mm | 50x25               | 63x30               | Ø JxE 50x25         | 63x30               |
| Stroke  | K mm     | 10                  | 15                  | K 10                | 15                  |
| Distance outer edge wheel to centre top plate | L mm     | 61                  | 77,5                | L 61                | 77,5                |
| Distance middle wheel to centre top plate     | M mm     | 36                  | 46                  | M 36                | 46                  |
| Max. gradient angle                           | O °      | 11°                 | 11°                 | O 11°               | 11°                 |
| Weight  | kg       | 0,7                 | 1,1                 | 0,8                 | 1,3                 |
| Recommended load for four castors             | kg       | 750                 | 1 500               | 750                 | 1 500               |
| <b>ORDER NO.</b>                              |          | <b>35 061 125-S</b> | <b>35 081 250-S</b> | <b>35 061 125-F</b> | <b>35 081 250-F</b> |

## FOOT MASTER®-CASTORS IN BLACK COLOUR

| TYPE             | JGDN 40 Ss           | JGDN 60 Ss           | JGDR 60 Ss           | JGDN 80 Ss           | JGDN 80 Fs           | JGDR 80 Fs           |
|------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <b>ORDER NO.</b> | <b>35 040 025-Ss</b> | <b>35 060 125-Ss</b> | <b>35 061 125-Ss</b> | <b>35 080 250-Ss</b> | <b>35 080 250-Fs</b> | <b>35 081 250-Fs</b> |



# LEVELING CASTORS

Special castor, load capacity up to 700 kg



**JSGDN 60 F**



**JGLH 60 BSF**

## STAINLESS STEEL HOUSING FOR CLEAN ROOM

| TYPE  |    | JSGDN 60 S | JSGDN 80 S | JSGDN 60 F | JSGDN 80 F |
|---|----|------------|------------|------------|------------|
| Load capacity                                 | kg | 280        | 550        | 280        | 550        |
| Screw thread                                  | mm | M12 x 1,75 | M12 x 1,75 | 4 x Ø 7,0  | 4xØ 9,0    |
| Bore hole                                     | mm | 46         | 65         | 58         | 70         |
| Diameter (LxWxH)                              | mm | 101x70x82  | 125x85x102 | 101x73x82  | 125x90x102 |
| Wheel housing                                 | mm | 53         | 64         | 53         | 64         |
| Wheel   | mm | 50x25      | 63x30      | 50x20      | 63x30      |
| Stroke  | mm | 10         | 15         | 10         | 15         |
| Distance outer edge wheel to centre top plate | mm | 61         | 77,5       | 61         | 77,5       |
| Distance middle wheel to centre top plate     | mm | 36         | 46         | 36         | 46         |
| Max. gradient angle                           |    | 11°        | 11°        | 11°        | 11°        |
| Weight  | kg | 1,1        | 1,25       | 2,13       | 2,5        |
| Recommended load for four castors             | kg | 840        | 1 650      | 840        | 1 650      |

### ORDER NO.

■ 35 060 280-SR

■ 35 080 550-SR

■ 35 060 280-FR

■ 35 080 550-FR

## LEVELING CASTORS WITH BREAK

| TYPE  |    | JGLH 60 BSF | JGLH 75 BSF |
|---|----|-------------|-------------|
| Load capacity                                 | kg | 550         | 700         |
| Screw thread                                  | mm | 4x Ø 9,0    | 4x Ø 9,0    |
| Bore hole                                     | mm | 70          | 70          |
| Diameter (LxWxH)                              | mm | 100x110x89  | 120x132x107 |
| Wheel housing                                 | mm | 58          | 58          |
| Wheel   | mm | 60x55       | 75x55       |
| Distance outer edge wheel to centre top plate | mm | 55          | 66          |
| Distance middle wheel to centre top plate     | mm | 25          | 25          |
| Weight  | kg | 1,13        | 1,25        |
| Recommended load for four castors             | kg | 1 650       | 2 100       |

### ORDER NO.

■ 35 060 550-BSF

■ 35 075 700-BSF

# CASTORS FOR AUTOMATED GUIDED VEHICLES

**Load capacity up to 630 kg**

## Advantages in detail

- High quality: all FOOT MASTER® housings and top plates are made of forged steel, making them extremely sturdy. They are particularly suitable for 24h use (AGV).
- Ball-bearing rollers, made of highly elastic polyurethane with steel core.
- These products have been manufactured RoHS-conforming in compliance with the requirements of the European parliament and council.
- The castors are suitable for the temperature range from -10 ° to +90 ° C.
- Low effort when cornering due to the dual-wheel structure.
- JGAGD version: Standard castor for FTS use. Particularly sturdy and load-bearing.
- JGSAD/JGAAD version: The double rotation support (patented) makes it easier to change the direction of the castors. They have a reduced swing radius and they are powder-coated and galvanized. The GSAD castors are also available in an ESD version (the housing is galvanized, the castors are black).
- JGATD version: The castors have a swiveling wheel axle for optimal adaptation to uneven floors and are galvanized.
- JGASD version: The castors have a sprung axle for optimal adaption to uneven floor and are galvanized.

| TYPE                              |    | JGAGD 75 | JGAGD 100 | JGAGD 125 | JGAGD 150 |
|-----------------------------------|----|----------|-----------|-----------|-----------|
| Load capacity                     | kg | 250      | 310       | 440       | 630       |
| Screw thread                      | mm | 9        | 9         | 11        | 11        |
| Bore hole                         | mm | 92x92    | 92x92     | 120x120   | 120x120   |
| Height                            | mm | 123      | 150       | 175       | 200       |
| Wheel                             | mm | 75x30    | 100x30    | 125x35    | 150x40    |
| Recommended load for four castors | kg | 750      | 930       | 1 320     | 1 890     |

**ORDER NO.** ■ 35 075 250-F AGV ■ 35 100 310-F AGV ■ 35 125 440-F AGV ■ 35 150 630-F AGV

| TYPE                              |    | JGSAD 110 | JGSAD 150 |
|-----------------------------------|----|-----------|-----------|
| Load capacity                     | kg | 400       | 600       |
| Screw thread                      | mm | 9         | 11        |
| Bore hole                         | mm | 92x92     | 115x100   |
| Height                            | mm | 190       | 235       |
| Wheel                             | mm | 110x29    | 150x40    |
| Recommended load for four castors | kg | 1 200     | 1 800     |

**ORDER NO.** ■ 35 DK2 110 400-F ■ 35 DK2 150 600-F  
**ORDER NO. ESD** ■ 35 DK2 110 400-FE ■ 35 DK2 150 600-FE

**JGAGD 75****JGAAD 75****JGATD 75****JGASD 75**

| TYPE                              |    | JGAAD 75           | JGAAD 100         | JGAAD 125         | JGAAD 150          |
|-----------------------------------|----|--------------------|-------------------|-------------------|--------------------|
| Load capacity                     | kg | 250                | 310               | 440               | 630                |
| Screw thread                      | mm | 9                  | 9                 | 11                | 11                 |
| Bore hole                         | mm | 92x92              | 92x92             | 120x120           | 120x120            |
| Height                            | mm | 130                | 160               | 185               | 215                |
| Wheel                             | mm | 75x30              | 100x30            | 125x35            | 150x40             |
| Recommended load for four castors | kg | 750                | 930               | 1 320             | 1 890              |
| <b>ORDER NO.</b>                  |    | ■ 35 DK 075 250-F  | ■ 35 DK 100 310-F | ■ 35 DK 125 440-F | ■ 35 DK 150 630-F  |
| <b>ORDER NO. ESD</b>              |    | ■ 35 DK 075 250-FE | -                 | -                 | ■ 35 DK 150 630-FE |

| TYPE                              |    | JGATD 75          | JGATD 100         | JGATD 125         | JGATD 150         |
|-----------------------------------|----|-------------------|-------------------|-------------------|-------------------|
| Load capacity                     | kg | 250               | 310               | 440               | 630               |
| Screw thread                      | mm | 9                 | 9                 | 11                | 11                |
| Bore hole                         | mm | 92x92             | 92x92             | 120x120           | 120x120           |
| Height                            | mm | 123               | 150               | 175               | 200               |
| Wheel                             | mm | 75x30             | 100x30            | 125x35            | 150x40            |
| Recommended load for four castors | kg | 750               | 930               | 1 320             | 1 890             |
| <b>ORDER NO.</b>                  |    | ■ 35 PA 075 250-F | ■ 35 PA 100 310-F | ■ 35 PA 125 440-F | ■ 35 PA 150 630-F |

| TYPE                              |    | JGASD 75          | JGASD 100         | JGASD 125         | JGASD 150         |
|-----------------------------------|----|-------------------|-------------------|-------------------|-------------------|
| Load capacity                     | kg | 250               | 310               | 440               | 630               |
| Screw thread                      | mm | 9                 | 9                 | 11                | 11                |
| Bore hole                         | mm | 92x92             | 92x92             | 120x120           | 120x120           |
| Height                            | mm | 130               | 160               | 185               | 220               |
| Wheel                             | mm | 75x30             | 100x30            | 125x35            | 150x40            |
| Recommended load for four castors | kg | 750               | 930               | 1 320             | 1 890             |
| <b>ORDER NO.</b>                  |    | ■ 35 FD 075 250-F | ■ 35 FD 100 310-F | ■ 35 FD 125 440-F | ■ 35 FD 150 630-F |

# CASTORS FOR MEDICAL TECHNOLOGY

**Load capacity up to 250 kg**

## Advantages in detail

- High quality: all FOOT MASTER® housings and top plates are made of forged steel, making them extremely sturdy. They are particularly suitable for 24h use (AGV).
- Ball-bearing castors, made of polyurethane with aluminium core.
- These products have been manufactured RoHS-conforming in compliance with the requirements of the European parliament and council.
- JGDN version: The castors will be operated with help of a fork spanner (not included) to lift or lower the leveling pad.
- The castors are suitable for the temperature range from -10 ° to +90 ° C.
- JGDR version: The castors come with an integrated ratchet tool, no need for further device to lift or lower the leveling pad
- JGDS version: The rollers have a fine collision absorbing function with special rubber for noise reduction and protection against collisions.
- S = hexagonal plate with central threaded hole.  
F = rectangular plate with 4 holes for fixing.

| TYPE                                      |    | ■ JGDN 60 FU    | ■ JGDN 60 SU    | ■ JGDR 60 FU    | ■ JGDR 60 SU    |
|---|----|-----------------|-----------------|-----------------|-----------------|
| Load capacity                             | kg | 250             | 250             | 250             | 250             |
| Screw thread                              | mm | 4xØ 7,0         | -               | 4xØ 7,0         | -               |
| Bore hole                                 | mm | 58              | 46              | 58              | 46              |
| Overall height                            | mm | 101             | 101             | 101             | 101             |
| Wheel                                     | mm | 50x25           | 50x25           | 50x25           | 50x25           |
| Distance middle wheel to centre top plate | mm | 36              | 36              | 36              | 36              |
| Recommended load for 4 castors            | kg | 750             | 750             | 750             | 750             |
| <b>ORDER NO.</b>                          |    | ■ 35 060 125-FU | ■ 35 060 125-SU | ■ 35 061 125-FU | ■ 35 061 125-SU |



**JGDN SU**



**JGDR FU**



**JGDS ASF**



**JGDS BSF**



| TYPE                                      |    | JGDS 100 ASF | JGDS 100 BSF |
|---|----|--------------|--------------|
| Load capacity                             | kg | 100          | 100          |
| Screw thread                              | mm | 4xØ 7,0      | 4xØ 7,0      |
| Bore hole                                 | mm | 73           | 73           |
| Overall height                            | mm | 160          | 160          |
| Wheel                                     | mm | 100x30       | 100x30       |
| Distance middle wheel to centre top plate | mm | 45-53        | 45-53        |
| Recommended load for 4 castors            | kg | 300          | 300          |

**ORDER NO.**

**35 100 100-ASF**

**35 100 100-BSF**

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MOVE.**



# CATALOG OVERVIEW

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## **Consulting, sales and service:**

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