

# 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.

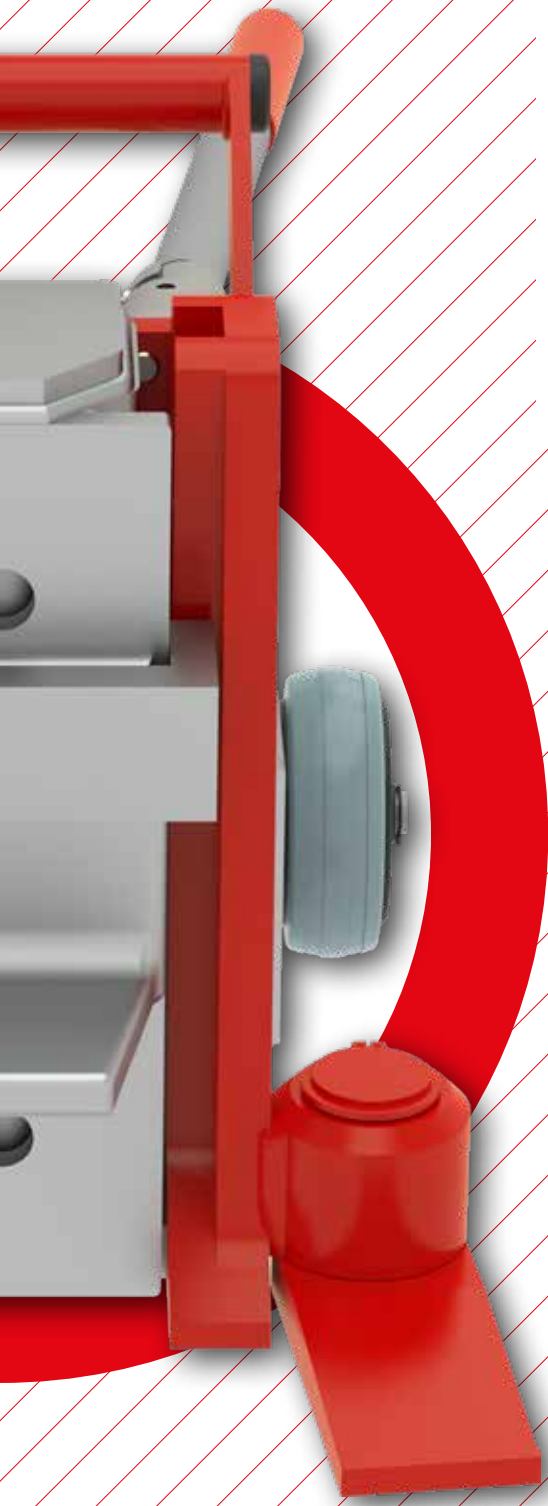


**2003**

## **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
Bore hole	B mm	46	65	G	58
Diameter (LxWxH)	FxCxI mm	101x70x82	125x85x102	FxHxI	101x73x82
Wheel housing	D mm	53	64	D	53
Wheel	Ø JxE mm	50x25	63x30	Ø JxE	50x25
Stroke	K mm	10	15	K	10
Distance outer edge wheel to centre top plate	L mm	61	77,5	L	61
Distance middle wheel to centre top plate	M mm	36	46	M	36
Max. gradient angle	O	11°	11°	O	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**

**JUST  
MOVE.**



# CATALOG OVERVIEW

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BVA**



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

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