Medical Equipment Castors

RHOMBUS®

www.rhombus-castors.com

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367a Swivel castor without brake
367h Swivel castor with total brake

Technical description

- Sheet steel metal
- Zinc passivated
- Swivel bearing with double ball race
- Protected from dust and water ingress by plastic sealing ring
- Also available with bolt hole LC (10,2 mm)
- Also available with other wheel variants and fittings

Further information:
www.rhombus-castors.com

Areas of application

- Medical-technical equipment
- Care beds

367a	367h	29K	080r	ZLD	80	30	110	43,5	12,2	80
367a	367h	29K	100r	ZLD	100	30	131	41,5	12,2	100
367a	367h	29K	125r	ZLD	125	32	155,5	43,5	12,2	100
367a	367h	29K	150r	ZLD	150	32	182	51	12,2	120
367a	367h	29K	200r	ZLD	200	32	234	61	12,2	120

381a Swivel castor
381h Swivel castor with total brake

Technical description

— Plastic castor
— Wheels have easy rollability
— The design protects axle / bearing areas from hair / water
— Also available with plate KPS (94x64 mm) and wheel diameter 125 mm with fixing pin K622 (28x45 mm)

Areas of application

— Nursing Home Beds
— Medical Carts
— Diagnostic Equipment
— Electronic Equipment
— Patient Aids
— Patient Lifts

381a	381h	40K	075v	KGD	75	59/2x10	95	12×25	75
381a	381h	40K	100v	KGD	100	66/2x12	125	12×25	100
381a	381h	40K	125v	KGD	125	76/2x12	146	12×25	110

383 q Swivel castor with central brake
383 r Swivel castor with directional brake

Technical description

- Plastic housing of polyamide white RAL 9010
- Precision ball bearing in the fork head
- Suitable for cleaning in disinfecting cubicles
- Smooth selection function
- Integrated selection mechanism with total locking brake ”q” and direction locking brake ”r”
- Selection mechanism continually greased
- On inquiry with electrically conductive wheel

Areas of application

- Hospital beds
- OP beds
- Care beds
- Intensive care beds

Guideline for finding the correct structure of attachment, foot and transmission lever, see on pages 10–15

383q	383r	40K	125v	K ...	125	64	150	31	120
383q	383r	40K	150v	K ...	150	64	175	40	150

390 q Swivel castor with central brake
390 r Swivel castor with directional brake

Technical description

- Sheet steel metal, zinc passivated
- Double ball bearing in swivel head
- Protected from dust and water ingress by plastic sealing ring
- Integrated selection mechanism with total locking brake ”q” and direction locking brake ”r”
- Selection mechanism continually greased
- Device to permit adjustment of the braking effect (without removing the castor or wheel)
- Also available with other wheel variants
- Starting from wheel diameter 100 mm also available with a high-quality plastic cover (white RAL 9010 or metallic)

Areas of application

- Care beds
- Hospital beds
- OP beds
- Intensive care beds

Guideline for finding the correct structure of attachment, sockets for round and square tubes, as well as foot and transmission lever, see on pages 10 – 15

390q	390r	29K	080r	Z ...	80	30	113	44	80
390q	390r	29K	100r	Z ...	100	30	133	42	100
390q	390r	29K	125r	Z ...	125	32	158	44	100
390q	390r	29K	150r	Z ...	150	32	184	51	120
390q	390r	29K	200r	Z ...	200	32	237	61	120

391q Swivel castor with central brake
391r Swivel castor with directional brake

Technical description

- Sheet steel metal
- Zinc passivated or chrome-plated
- Suitable for cleaning in disinfecting cubicle
- Integrated selection mechanism with total locking brake “q“ and directional locking brake ”r”
- Selection mechanism continually greased
- Device to permit adjustment of the braking effect (without removing the castor or wheel)
- Also available with other wheel variants

Further information:
www.rhombus-castors.com

Areas of application

- Intensive care beds
- Hospital beds
- OP beds
- Care beds

Guideline for finding the correct structure of attachment, sockets for round and square tubes, as well as foot and transmission lever, see on pages 10–15

Precision ball bearing in the fork head

391q	391r	29K	100r	Z ...	100	30	139	42	100
391q	391r	29K	125r	Z ...	125	32	164	44	100
391q	391r	29K	150r	Z ...	150	32	191	51	120
391q	391r	29K	200r	Z ...	200	32	243	61	120

398 q Swivel castor with central brake
398 r Swivel castor with directional brake

Technical description

- Die-cast aluminium load-bearing housing
- Highly polished plastic cover
- Precision ball bearings in the fork head
- Suitable for cleaning in disinfection cabins
- Smooth selection function
- Integrated selection mechanism with total locking brake ”q” and direction locking brake ”r”
- Permanently grease filled in the switch mechanism
- Load capacity 150 kg
- Also available with electrically conductive wheel

Areas of application

- Care beds
- Hospital beds
- Intensive care beds
- Medical appliances
- OP beds
- OP tables

Guideline for finding the correct structure of attachment, sockets for round and square tubes, as well as foot and transmission lever, see on pages 10–15

398q	398r	29K	125v	K...	125	32	158	40	150	RAL 9010
398q	398r	29K	150v	K...	150	32	188	42	150	RAL 9010
398q	398r	37K	200v	K...	200	32	229	56	150	RAL 9010

399 q Swivel castor with central brake
399 r Swivel castor with directional brake

399 a Swivel castor with plate fitting

Technical description

- Die-cast aluminium load-bearing housing
- Highly polished plastic cover, optionally in white RAL 9016 or metallic
- Unique design and patented technology
- Precision ball bearing in the fork head
- Suitable for cleaning in disinfection cabins
- Smooth selection function
- Integrated selection mechanism with total locking brake ”q” and direction locking brake ”r”
- Permanently grease filled in the switch mechanism
- Wheel with TPU tyre, 64 Shore D, ball bearing

Areas of application

- Care beds
- Hospital beds
- Medical appliances
- OP tables
- OP beds
- Furnitures

DESIGNPREIS
NOMINIERT

reddot design award
winner

Guideline for finding the correct structure of attachment, sockets for round and square tubes, as well as foot and transmission lever, see on pages 10–15

399q	399r	38K	150v	K ...	150	32	188	42				120
399a		38K	150v	KPF	150	32	201	42	95x70	75x45/72x52	9	120

Accessories for central locking hospital bed castors

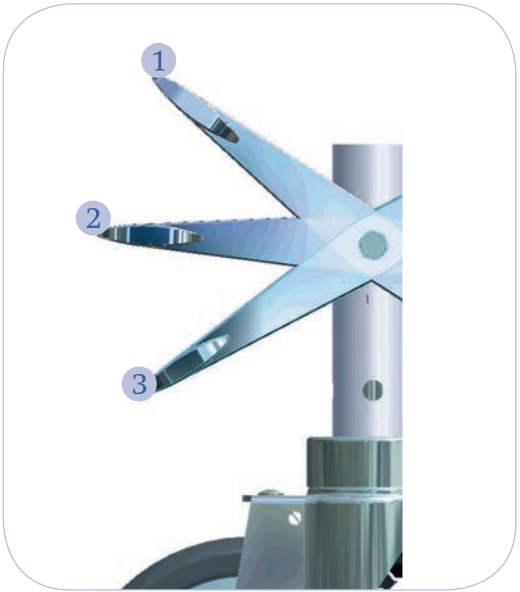
	Product	Specification	Article number
	Wall bumper	95 mm	49G
	Snap-on adapter sleeves round	(see adapter measurements on page 15)	
	Snap-on adapter sleeves square	(see adapter measurements on page 15)	
	Foot pedal double	left	DHL
		right	DHR

Accessories for central locking hospital bed castors

Product	Specification	Article number
Foot pedal double (Plastic)	left/right	KDH - 9010/7037 - 30° or 45°
Foot pedal single	left	EHL
	right	EHR
Foot pedal single (Plastic)	left	KEHL - 9010/7016 - 30° or 45°
	right	KEHR - 9010/7016 - 30° or 45°
Transmission lever	long	MNL
	short	MNK

Guideline

a) Locking brakes for ordering designations for hospital bed castors



Central locking brakes

Hospital beds must be reliable and easy to manoeuvre. Modern hospital beds are therefore equipped with central locking brake mechanisms, which enable time and energy-saving operation.

Directional locking brakes

For setting of straight ahead motion, the use of a directional locking brake integrated in the fixing pin is recommended.

The mechanism allows a central pedal to select the following modes of operation:

1: Motion straight ahead
(only when equipped with directional locking brake mode)
2: Changes of direction: free mobility of all castors
3: Full locking of all four castors

Further information:
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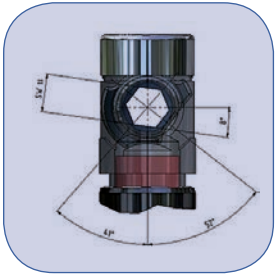
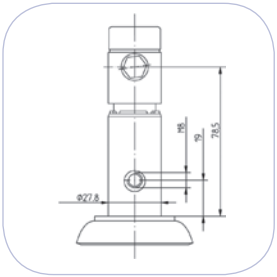
b) Fixing pins

Standard-cam
(41° and 52°)

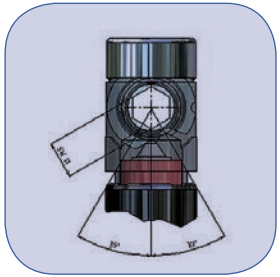


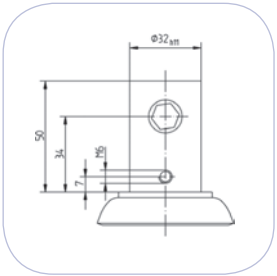


Fixing Pin 78,5 mm

- For standard insertion measurement Ø 28
- Switching shaft variants A/B
- Switching shaft in line or across direction of travel
- Four tapped fixing holes
- Snap-on adapter sleeves for different tube measurements available! (see on page 15)

Special-cam
(30°)





Fixing Pin 34 mm

- For standard insertion measurement Ø 32
- Switching shaft variants A/B
- Switching shaft in line or across direction of travel
- Four tapped fixing holes

The 4-digit order number

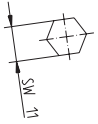
How to use the 4-digit order number, e.g. **380q 29K 150v Z2351**

For ordering central locking castors further information need to be added to our reference number:

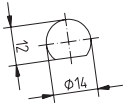
1. Digit:	Distance from the tube seat to middle of the switching bar*	Kind of cam	Switching shaft
2	x = 78,5 mm	Standard-cam	A
4	x = 78,5 mm	30°-cam	A
6	x = 78,5 mm	14-12–cam	B
8	x = 34,0 mm	Standard-cam	A
9	x = 34,0 mm	30°-cam	A

*on request: in 71 mm possible

A



B



2. Digit:	Size of the threaded hole*	Distance from the tube seat to the middle of the threaded hole
3	M8	y = 19 mm
8	M6	y = 7 mm

on request: M6 / 18 mm and M8 / 18 mm possible

3. Digit:	Position of the bar to the travel direction	Position of the threaded hole to the travel direction
5	across	4-tapped holes
6	along	4-tapped holes

4. Digit:	Adapter measurement	socket (Art. No.)	Adapter measurement		socket (Art. No.)
0	without				
1	Ø 27,8	9 229 111	5	Ø 28,9	9 229 048
2	Ø 28	9 229 050	6	Ø 33,65	9 229 029
3	Ø 28,2	9 229 025	7	⧄ 33,65	9 229 023
4	Ø 28,4	9 229 026	8	⧄ 36	HB 22 + 9 229 111

only for pins 71 mm and 78,5 mm

Type I
Foot pedal across
direction of travel

Type II
Foot pedal along
direction of travel

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