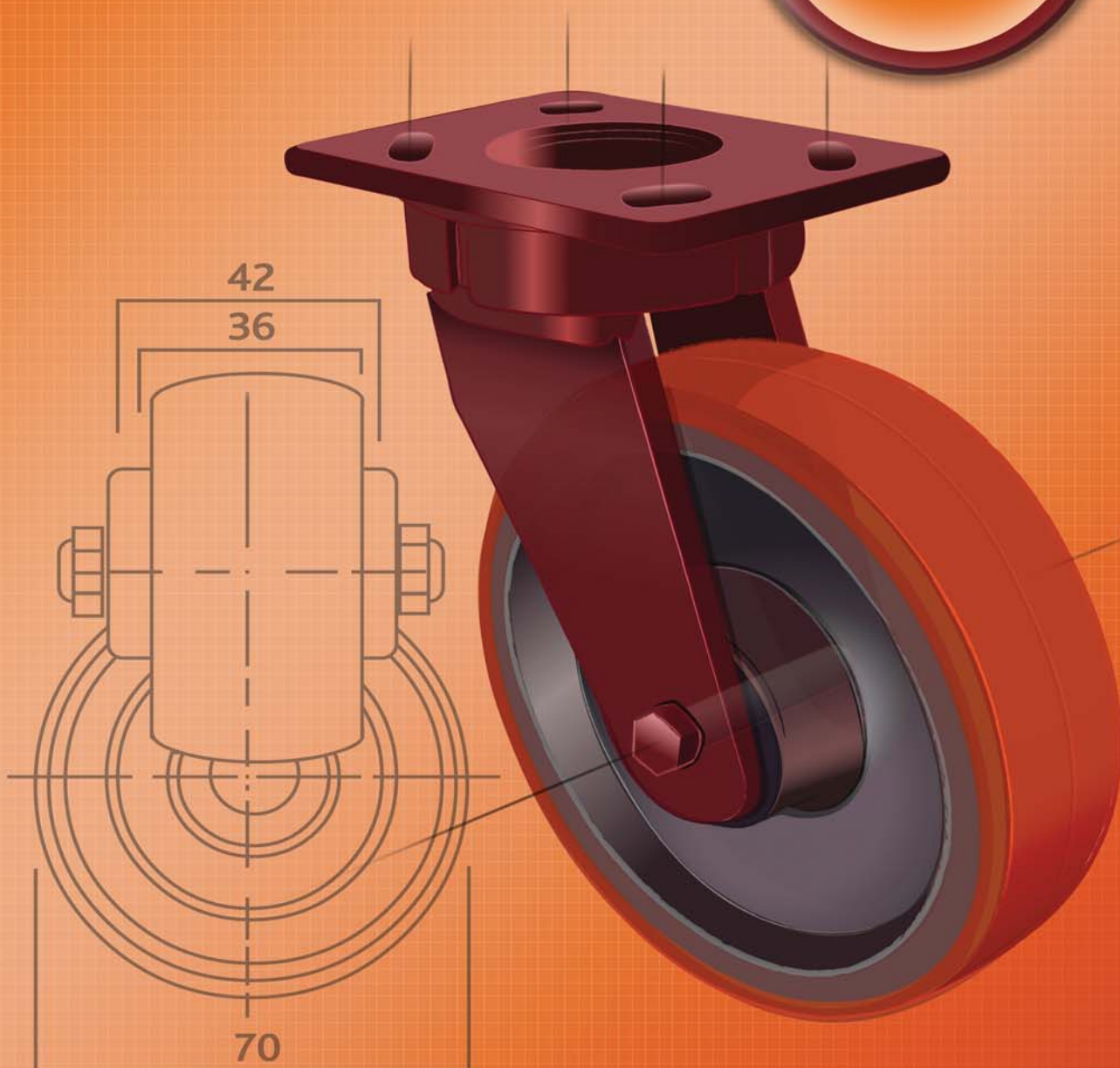


Castor wheel  
manufacturers



**BAZROLL INTERNATIONAL LTD**

Tel: 01249 822 222

[www.bilgroup.eu](http://www.bilgroup.eu)

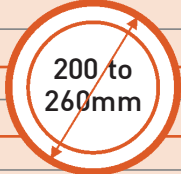


# BZPC SERIES

Zinc-plated, pressed steel housing with sealed double ball race in swivelhead.

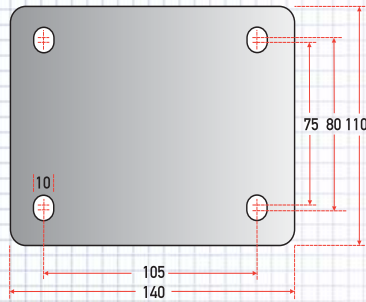
Available with top plate fixing.

WHEEL CODE						PR	MR	PP	PU	
Wheel diam or (mm)	Swivel or fixed	Tread width (mm)	Overall height (mm)	Plate type	Swivel radius (mm)	Bearing type	Pneumatic tyre on plastic centre	Pneumatic tyre on steel centre	Puncture-proof tyre on plastic centre	Puncture-proof tyre on steel centre
200	S	50 ribbed	232	A	167	BZPC200PRB 75kg	BZPC200MRB 75kg	-	-	
	F					BZPCF200PRB 75kg	BZPCF200MRB 75kg	-	-	
260	S	85 diamond	302	B	215	BZPC260PRB 120kg	BZPC260MRB 200kg	-	-	
	F					BZPCF260PRB 120kg	BZPCF260MRB 200kg	-	-	
260	S		302	B	215	-	BZPC260MRB6 270kg	-	-	
	F					-	BZPCF260MRB6 270kg	-	-	
260	S	85 ribbed	302	B	215	-	-	BZPC260PPUB 120kg	BZPC260MPUB 120kg	
	F					-	-	BZPCF260PPUB 120kg	BZPCF260MPUB 120kg	

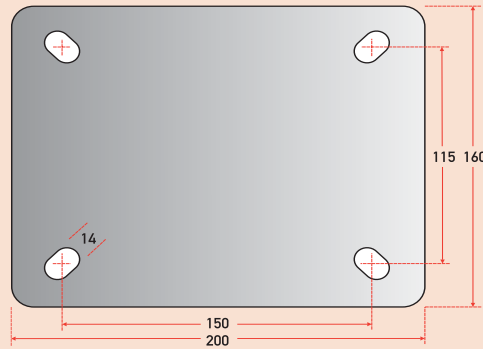


## PLATE TYPE & DIMENSIONS (mm)

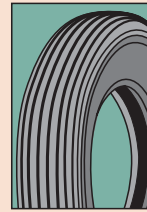
### Type A



### Type B



A69



Ribbed pattern



Diamond pattern

### WHEEL BEARING KEY

Needle roller

## AVAILABLE WHEEL TYPES (for full wheel specifications refer to pages indicated)



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p104

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p105

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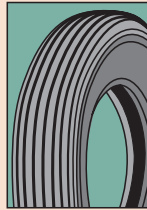
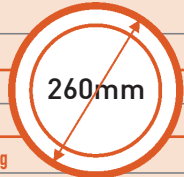
120-270kg

BZFPC SERIES PNEUMATIC/PUNCTURE-PROOF

Housing made of fabricated zinc-plated steel with double ball race in swivelhead.  
Available with top plate fixing.



WHEEL CODE		PR	MR	PP	PU					
Wheel diam (mm)	Swivel or fixed	Tread width (mm)	Overall height (mm)	Plate type	Swivel radius (mm)	Bearing type	Pneumatic tyre on plastic centre	Pneumatic tyre on steel centre	Puncture-proof tyre on plastic centre	Puncture-proof tyre on steel centre
260	S	85 diamond	318	A	171	Needle roller	BZFPC260PRB 120kg	BZFPC260MRB 200kg	-	-
	F						BZFPCF260PRB 120kg	BZFPCF260MRB 200kg	-	-
260	S	85 diamond	318	A	171	Needle roller	-	BZFPC260MRB6 270kg	-	-
	F						-	BZFPCF260MRB6 270kg	-	-
260	S	85 ribbed	318	A	171	Needle roller	-	-	BZFPC260PPUB 120kg	BZFPC260MPUB 120kg
	F						-	-	BZFPCF260PPUB 120kg	BZFPCF260MPUB 120kg



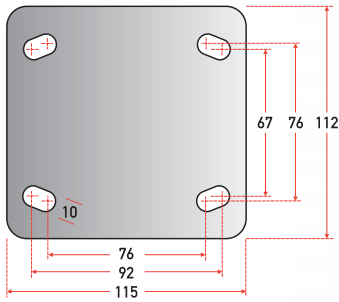
Ribbed pattern



Diamond pattern

PLATE TYPE & DIMENSIONS (mm)

Type A



WHEEL BEARING KEY

Needle roller

AVAILABLE WHEEL TYPES (for full wheel specifications refer to pages indicated)



p104

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75-270kg





## LOW LEVEL SERIES

Zinc-plated, pressed or forged steel housing with double ball race in swivelhead.

Available with top plate fixing.

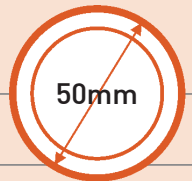
WHEEL CODE		NY	PT	ST					
Wheel diam (mm)	Swivel or fixed	Tread width (mm)	Overall height (mm)	Plate type	Swivel radius (mm)	Bearing type	White nylon	Brown polyurethane on cast iron	Steel

50 S 21x2 73 A 48  2BZXL50NY 90kg -

50 S 15x2 73 A 44  BZXH632X50NY 75kg -

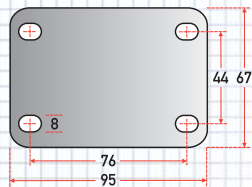
**FORGED STEEL ZINC-PLATED HOUSING WITH SINGLE BALL RACE IN SWIVELHEAD**

50 S 14x2 64 B 45 2BZLL50NY 160kg 2BZLL50PT 160kg 2BZLL50ST 270kg

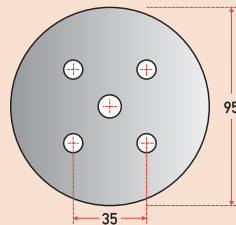


### PLATE TYPE & DIMENSIONS (mm)

Type A



Type B



#### WHEEL BEARING KEY

 Plain bore

### AVAILABLE WHEEL TYPES (for full wheel specifications refer to pages indicated)



p79

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Zinc-plated, pressed steel housing with sealed double ball race in swivelhead.

Available with top plate or single bolthole fixing.



WHEEL CODE							PT	NY
Wheel diam (mm)	Swivel or fixed	Tread width (mm)	Overall height (mm)	Plate /bolt fitting (mm)	Swivel radius (mm)	Bearing type	Brown polyurethane on cast iron	Black nylon

35	S	27	58	A	31		BZXH35PTBJST10 100kg	-
50	S	28	75	B	50		-	BZXH50NY 200kg
50	F		75	B	-		-	BZXHF50NY 200kg

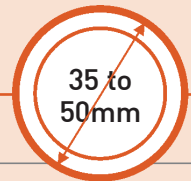
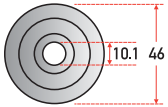
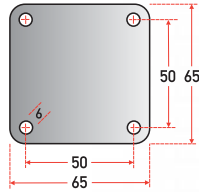


PLATE TYPE & DIMENSIONS (mm)

Type A



Type B



Braked castors (sidemounted footbrake) 50mm only

add to code: **BK**

WHEEL BEARING KEY

- Plain bore
- Ball journal

AVAILABLE WHEEL TYPES (for full wheel specifications refer to pages indicated)



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## LOW LEVEL SERIES

Fabricated black-painted steel housing with ball race in swivelhead.

Available with top plate fixing.

WHEEL CODE		NY	PT
Wheel diam (mm)	Swivel or fixed	Tread width (mm)	Overall height (mm)
		Plate type	Swivel radius (mm)
		Bearing type	White nylon
			Brown polyurethane on cast iron

70	S	70	127	A	70		–	BZLL70PTBJ 500kg
	F				–		–	BZLLF70PTBJ 500kg
75	S	75	130	A	73		–	BZLL75PTBJ 550kg
	F				–		–	BZLLF75PTBJ 550kg
82	S	70	133	A	76		BZLL82NYBJ 600kg	BZLL82PTBJ 700kg
	F				–		BZLLF82NYBJ 600kg	BZLLF82PTBJ 700kg
85	S	70	135	A	78		BZLL85NYBJ 650kg	BZLL85PTBJ 700kg
	F				–		BZLLF85NYBJ 650kg	BZLLF85PTBJ 700kg

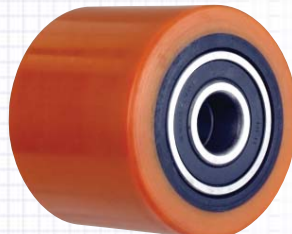
### WHEEL BEARING KEY

Ball journal

### AVAILABLE WHEEL TYPES (for full wheel specifications refer to pages indicated)



p109

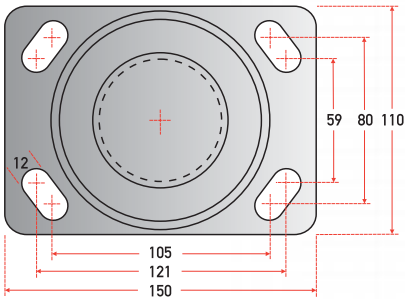


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## PLATE TYPES AND DIMENSIONS (mm)

### Type A



- Single piece forged alloy steel top plate and fork base
- Precision CNC-machined raceways
- Induction-hardening of raceways ensures uniform depth of hardness
- Totally sealed swivel head with grease nipple
- 6mm thick legs cylindrically-formed – robotically welded inside and outside
- Polymer-painted black finish





75kg



## BZGC SERIES

Specially designed castor unit to help support the ends of wide gates.  
Fabricated steel housing with black finish.  
Available with plate fixing.

Wheel diam (mm)	Swivel or fixed	Tread width (mm)	Overall height (mm)	Plate type	Bearing type	Black elastic rubber on cast iron centre
-----------------	-----------------	------------------	---------------------	------------	--------------	------------------------------------------

100	F	40	375	A		BZGCF100CRBJ 75kg
100	S		375	A		BZGCS100CRBJ 75kg

BZGC SERIES GATE CASTOR

This unit is designed to help support the ends of wide gates. It has a sprung-loaded castor to enable it to travel over uneven surfaces and to accept slopes from the open or closed position. The maximum range is approximately 75mm.

NB. This castor is not designed to carry the full load of the gate onto which it is mounted.



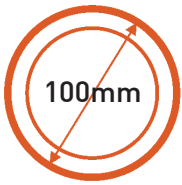
### WHEEL BEARING KEY

 Ball journal

**AVAILABLE WHEEL TYPE** (for full wheel specifications refer to page indicated)



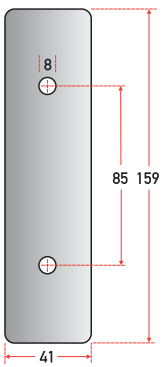
p93



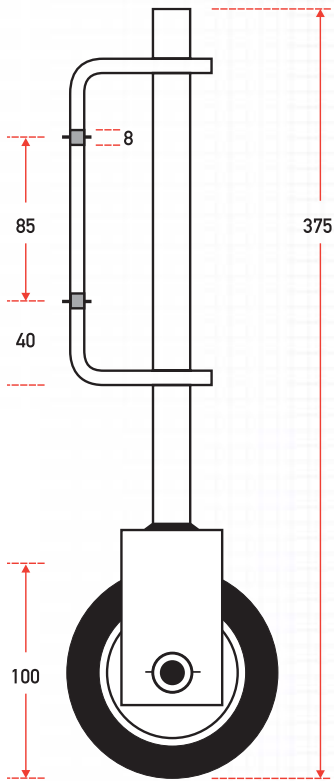
75kg

## PLATE TYPES AND DIMENSIONS (mm)

Type A



Elevation



BZGC SERIES GATE CASTOR





# JAB SERIES

Jack made of steel and castor made of pressed steel and zinc plated.

Available with plate fixing.



WHEEL CODE		NY	NP	CI	PT					
Wheel diam (mm)	Swivel or fixed	Tread width (mm)	Overall height (mm)	Plate type	Swivel radius (mm)	Bearing type	White nylon	Red polyurethane on white nylon	Black painted cast iron	Brown polyurethane on cast iron

75	S	NY=35 NP=33 CI=32 PT=40	420	A	70	JAB75NY 120kg	-	JAB75CI 120kg	-
						-	-	-	-
						-	-	-	JAB75PTBJ 120kg
80	S	NY=30 NP=33 CI=32 PT=36	424	A	72	JAB80NY 120kg	JAB80NP 120kg	JAB80CI 120kg	-
						JAB80NYB 120kg	JAB80NPB 120kg	-	-
						-	-	-	JAB80PTBJ 120kg
100	S	NY=32 NP=33 CI=35 PT=40	444	A	90	JAB100NY 140kg	JAB100NP 140kg	JAB100CI 140kg	-
						JAB100NYB 140kg	JAB100NPB 140kg	-	-
						-	-	-	JAB100PTBJ 140kg
125	S	35 PT=40	466	A	105	JAB125NY 160kg	JAB125NP 160kg	JAB125CI 160kg	-
						JAB125NYB 160kg	JAB125NPB 160kg	-	-
						-	-	-	JAB125PTBJ 160kg

Castor size	Max height	Min height	Lift
75	309	139	170
80	311	141	170
100	332	162	170
125	354	184	170

### WHEEL BEARING KEY

- Plain bore
- Needle roller
- Ball journal

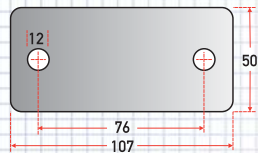
### LOAD RATING

Jacking castors are rated on a different principle to other castors. They lift the load off the floor and therefore each castor is liable to carry half the total load. The minimum castor capacity required is obtained by taking...

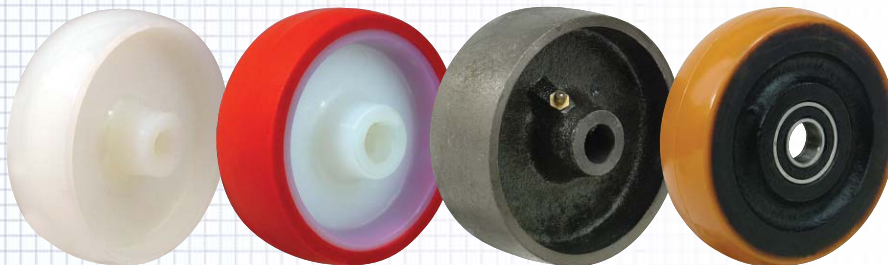
$$\frac{\text{Unladen unit weight} + \text{maximum load}}{2}$$

### FITTING TYPE & DIMENSIONS (mm)

#### Type A



### AVAILABLE WHEEL TYPES (for full wheel specifications refer to pages indicated)



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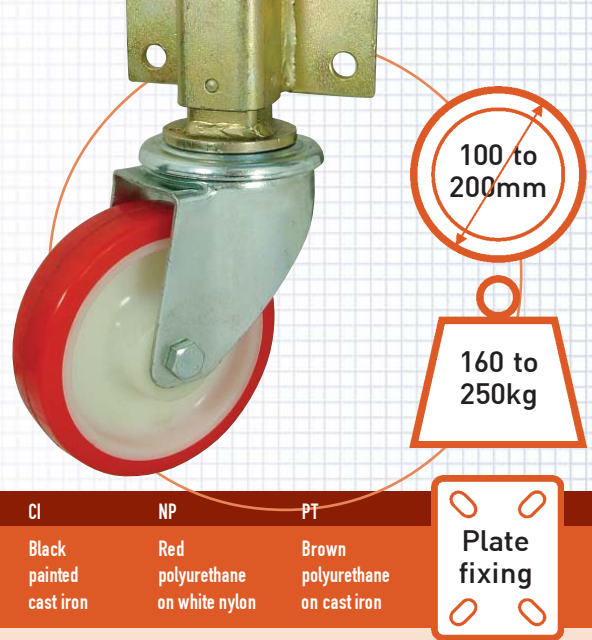
p80

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# JAZ SERIES

Jack made of steel and castor made of pressed steel and zinc plated.

Available with plate fixing.



160-250kg

WHEEL CODE						NY	CR	CI	NP	PT	Plate fixing
Wheel diam (mm)	Swivel or fixed	Tread width (mm)	Overall height (mm)	Plate type	Swivel radius (mm)	Bearing type	White nylon	Black elastic rubber on cast iron	Black painted cast iron	Red polyurethane on white nylon	
100	S	38 NY=32 NP=33 PT=40	370/445	A	90	Plain bore	JAZ100NY 200kg	–	JAZ100CI 200kg	JAZ100NP 200kg	–
						Needle roller	JAZ100NYB 200kg	JAZ100CRB 160kg	JAZ100CIB 200kg	JAZ100NPB 200kg	JAZ100PTB 200kg
						Ball journal	–	JAZ100CRBJ 160kg	JAZ100CIBJ 200kg	–	JAZ100PTBJ 200kg
125	S	38 NY=35 NP=35 PT=40	399/474	A	105	Plain bore	JAZ125NY 200kg	–	JAZ125CI 200kg	JAZ125NP 200kg	–
						Needle roller	JAZ125NYB 200kg	JAZ125CRB 190kg	JAZ125CIB 200kg	JAZ125NPB 200kg	JAZ125PTB 200kg
						Ball journal	–	JAZ125CRBJ 190kg	JAZ125CIBJ 200kg	–	JAZ125PTBJ 200kg
150	S	40 NY=45 CI=50 CR=40	448/523	A	127	Plain bore	JAZ150NY 250kg	–	JAZ150CI 250kg	JAZ150NP 250kg	–
						Needle roller	JAZ150NYB 250kg	JAZ150CRB 250kg	JAZ150CIB 250kg	JAZ150NPB 250kg	JAZ150PTB 250kg
						Ball journal	–	JAZ150CRBJ 250kg	JAZ150CIBJ 250kg	–	JAZ150PTBJ 250kg
200	S	50 PT=45	493/568	A	156	Plain bore	JAZ200NY 250kg	–	JAZ200CI 250kg	JAZ200NP 250kg	–
						Needle roller	JAZ200NYB 250kg	JAZ200CRB 250kg	JAZ200CIB 250kg	JAZ200NPB 250kg	JAZ200PTB 250kg
						Ball journal	–	JAZ200CRBJ 250kg	JAZ200CIBJ 250kg	–	JAZ200PTBJ 250kg

Castor size	Max height	Min height	Lift
100	235	160	75
125	264	189	75
150	313	238	75
200	358	283	75

### WHEEL BEARING KEY

- Plain bore
- Needle roller
- Ball journal

### LOAD RATING

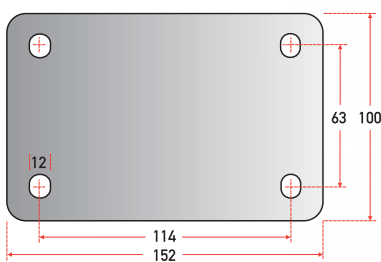
Jacking castors are rated on a different principle to other castors. They lift the load off the floor and therefore each castor is liable to carry half the total load. The minimum castor capacity required is obtained by taking...

$$\frac{\text{Unladen unit weight} + \text{maximum load}}{2}$$

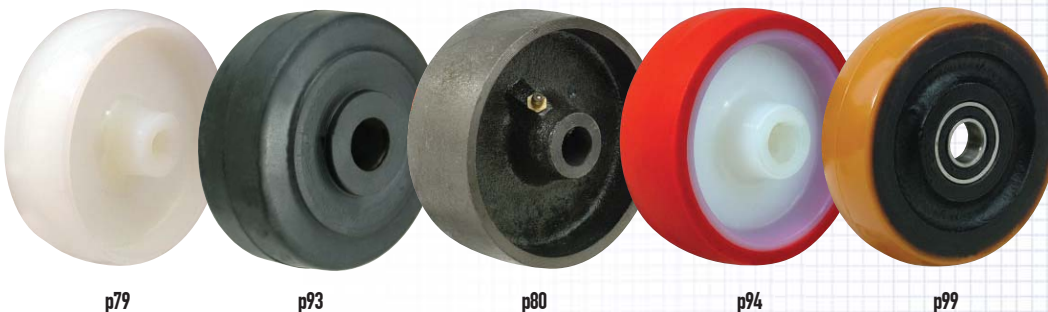


## FITTING TYPE & DIMENSIONS (mm)

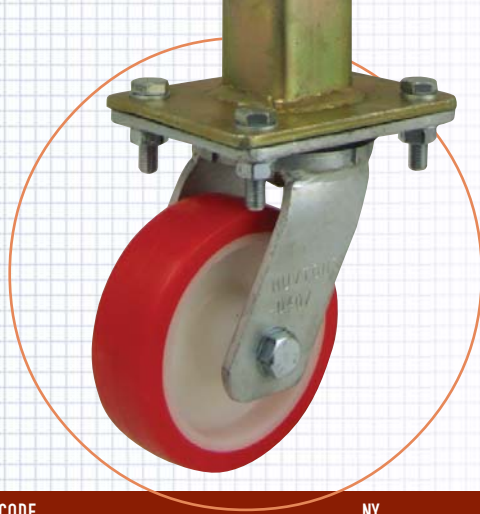
### Type A



## AVAILABLE WHEEL TYPES (for full wheel specifications refer to pages indicated)



JAZ SERIES JACKING



# JAZHS SERIES

Jack made of steel and castor made of fabricated steel and zinc plated.

Available with plate fixing.



WHEEL CODE					NY	CR	CI	NP	PT		
Wheel diam (mm)	Swivel or fixed	Tread width (mm)	Overall height (mm)	Plate type	Swivel radius (mm)	Bearing type	White nylon	Black elastic rubber on cast iron	Black painted cast iron	Red polyurethane on white nylon	Brown polyurethane on cast iron

125	S	50 NY=45 NP=40 PT=40	587/784	A	108	JAZHS125NY 600kg	–	JAZHS125CI 550kg	JAZHS125NP 350kg	–
						JAZHS125NYB 600kg	JAZHS125CRBJ 300kg	JAZHS125CIBJ 550kg	JAZHS125NPBJ 350kg	JAZHS125PTBJ 400kg
						JAZHS125NY 600kg	JAZHS150CR 300kg	JAZHS150CI 600kg	JAZHS150NP 400kg	–
150	S	50 NY=45	612/812	A	125	JAZHS150NY 600kg	JAZHS150CRB 300kg	JAZHS150CIB 600kg	JAZHS150NPB 400kg	JAZHS150PTB 600kg
						JAZHS150NYB 600kg	JAZHS150CRBJ 300kg	JAZHS150CIBJ 600kg	JAZHS150NPBJ 400kg	JAZHS150PTBJ 600kg
						JAZHS200NY 600kg	JAZHS200CR 450kg	JAZHS200CI 600kg	JAZHS200NP 600kg	–
200	S	50	664/864	A	154	JAZHS200NY 600kg	JAZHS200CRB 450kg	JAZHS200CIB 600kg	JAZHS200NPB 600kg	JAZHS200PTB 600kg
						JAZHS200NYB 600kg	JAZHS200CRBJ 450kg	JAZHS200CIBJ 600kg	JAZHS200NPBJ 600kg	JAZHS200PTBJ 600kg
						JAZHS200NY 600kg	JAZHS200CRB 450kg	JAZHS200CI 600kg	JAZHS200NP 600kg	–

Castor size	Max height	Min height	Lift
125	439	239	200
150	467	267	200
200	519	319	200

### WHEEL BEARING KEY

- Needle roller
- Ball journal

### LOAD RATING

Jacking castors are rated on a different principle to other castors. They lift the load off the floor and therefore each castor is liable to carry half the total load. The minimum castor capacity required is obtained by taking...

$$\frac{\text{Unladen unit weight} + \text{maximum load}}{2}$$

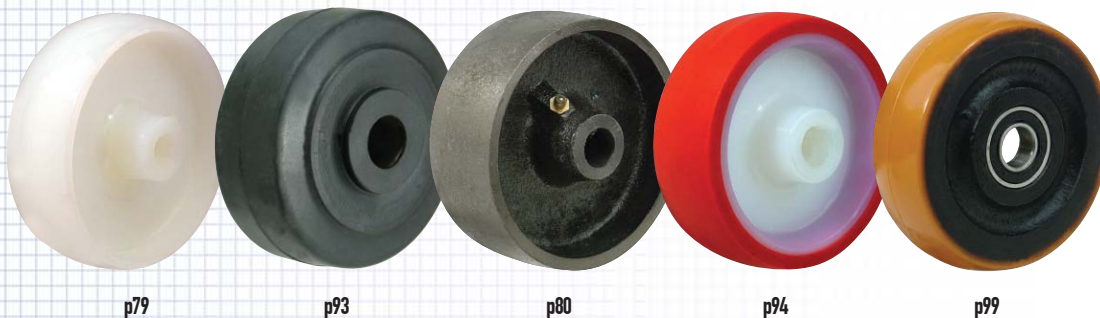


### FITTING TYPE & DIMENSIONS (mm)

#### Type A



### AVAILABLE WHEEL TYPES (for full wheel specifications refer to pages indicated)



# JAZXXH SERIES

Jack made with black painted steel body and fabricated fork.

Available with plate fixing.



WHEEL CODE					PT	CR
Wheel diam (mm)	Swivel or fixed	Tread width (mm)	Overall height (mm)	Plate type	Swivel radius (mm)	Bearing type
						Brown polyurethane on cast iron
						Black elastic rubber on cast iron

150	S	50	556/632	A	135	JAZXXHK150PTB 750kg	JAZXXHK150CRB 300kg
						JAZXXHK150PTBJ 750kg	JAZXXHK150CRBJ 300kg
200	S	50 CR=60	607/683	A	165	JAZXXHK200PTB 1000kg	-
						JAZXXHK200PTBJ 1000kg	JAZXXHK200CRBJ 600kg

Castor size	Max height	Min height	Lift
150	290	214	76
200	342	266	76

### WHEEL BEARING KEY

- Needle roller
- Ball journal

### LOAD RATING

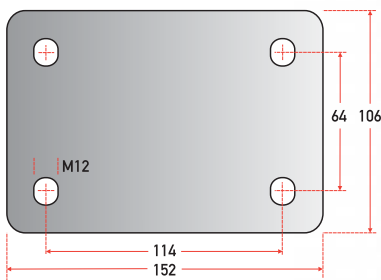
Jacking castors are rated on a different principle to other castors. They lift the load off the floor and therefore each castor is liable to carry half the total load. The minimum castor capacity required is obtained by taking...

$$\frac{\text{Unladen unit weight} + \text{maximum load}}{2}$$



## FITTING TYPE & DIMENSIONS (mm)

### Type A



## AVAILABLE WHEEL TYPES (for full wheel specifications refer to pages indicated)





## BZKL-SPR SERIES

Fabricated black-painted steel housing with sealed double ball race in swivelhead. Available with top plate fixing.

### WHEEL CODE

Wheel diam (mm)

Swivel or fixed

Tread width (mm)

Min height (mm)

Max height (mm)

Plate type

Bearing type

Spring load (kg)

### ER

Black elastic rubber on aluminium

### RPTA

Brown ergonomic polyurethane

### PT

Brown polyurethane on cast iron

150	S	50	183	203	A		200	—	BZKL150RPTABJSPR200 200kg	BZKL150PTBJSPR200 200kg
							600	—	BZKL150RPTABJSPR 575kg	BZKL150PTBJSPR 600kg
150	F	50	183	203	A		200	—	BZKFL150RPTABJSPR200 200kg	BZKFL150PTBJSPR200 200kg
							600	—	BZKFL150RPTABJSPR 575kg	BZKFL150PTBJSPR 600kg
160	S	50	186	206	A		200	BZKL160ERBJSPR200 200kg	—	—
							600	BZKL160ERBJSPR 300kg	—	—
160	F	50	186	206	A		200	BZKFL160ERBJSPR200 200kg	—	—
							600	BZKFL160ERBJSPR 300kg	—	—
200	S	50	237	257	A		200	BZKL200ERBJSPR200 200kg	BZKL200RPTABJSPR200 200kg	BZKL200PTBJSPR200 200kg
							600	BZKL200ERBJSPR 450kg	BZKL200RPTABJSPR 600kg	BZKL200PTBJSPR 600kg
200	F	50	237	257	A		200	BZKFL200ERBJSPR200 200kg	BZKFL200RPTABJSPR200 200kg	BZKFL200PTBJSPR200 200kg
							600	BZKFL200ERBJSPR 450kg	BZKFL200RPTABJSPR 600kg	BZKFL200PTBJSPR 600kg

Black rubber spring is rated at 200kg

Red polyurethane spring is rated at 600kg

### WHEEL BEARING KEY

Ball journal

### AVAILABLE WHEEL TYPES (for full wheel specifications refer to pages indicated)



p92

p100

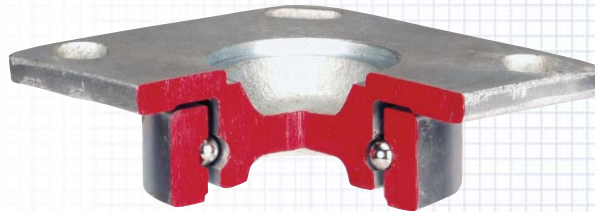
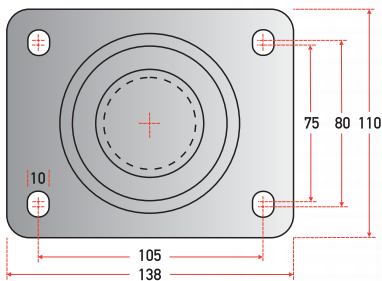
p99



200-600kg

## PLATE TYPES AND DIMENSIONS (mm)

### Type A



- Heavy duty castors with built-in suspension
- Unique elastomeric spring system reduces bounce under light loading
- Substantial noise reduction
- Reduction of wear and tear to floor surfaces
- Possible increase in wheel and equipment longevity
- Shock absorption protects the load
- Improved handling of equipment especially when cornering
- Ideal for use in the aerospace, glass and motor industries

BZKL SERIES SPRUNG-LOADED



300 - 460kg



## SCENERY SKATES

Specially designed for moving scenery, three pressed steel, zinc plated swivel castors fitted on a black fabricated frame with a separate top plate fixing.

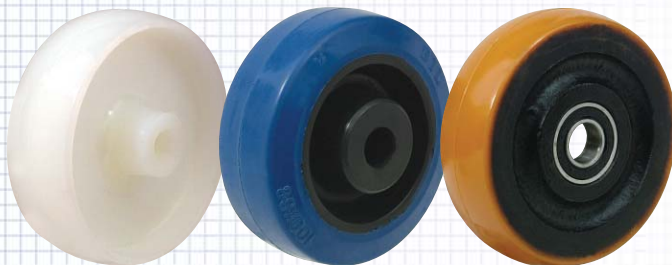
WHEEL CODE		NY	RN	PT					
Wheel diam (mm)	Swivel or fixed	Tread width (mm)	Overall height (mm)	Plate type	Swivel radius (mm)	Bearing type	White nylon	Blue elastic rubber on black nylon centre	Brown polyurethane on cast iron

35	S	28	85	A	95		-	-	BZXH35PTBJ/SKATE 300kg
50	S	14	98	B	308		2BZLL50NY/SKATE 360kg	-	2BZLL50PT/SKATE 360kg
100	S	32 RN=40 PT=40	162	B	434		BZH100NY/SKATE 460kg	BZH100RN/SKATE 460kg	-
							BZH100NYB/SKATE 460kg	BZH100RNB/SKATE 460kg	-
125	S	32 RN=40 PT=40	184	B	464		BZH125NY/SKATE 460kg	BZH125RN/SKATE 460kg	-
							BZH125NYB/SKATE 460kg	BZH125RNB/SKATE 460kg	-
							-	-	BZH125PTBJ/SKATE 460kg

### WHEEL BEARING KEY

- Plain bore
- Needle roller
- Ball journal

### AVAILABLE WHEEL TYPES (for full wheel specifications refer to pages indicated)



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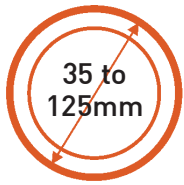
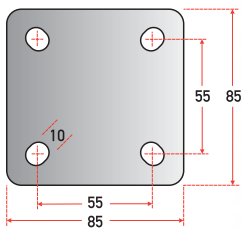
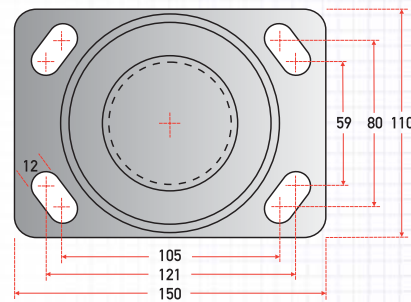


PLATE TYPES AND DIMENSIONS (mm)

Type A

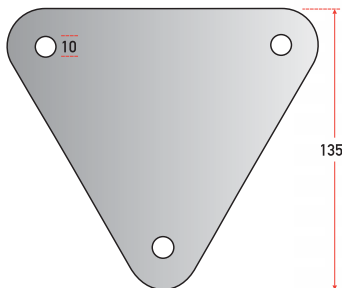


Type B

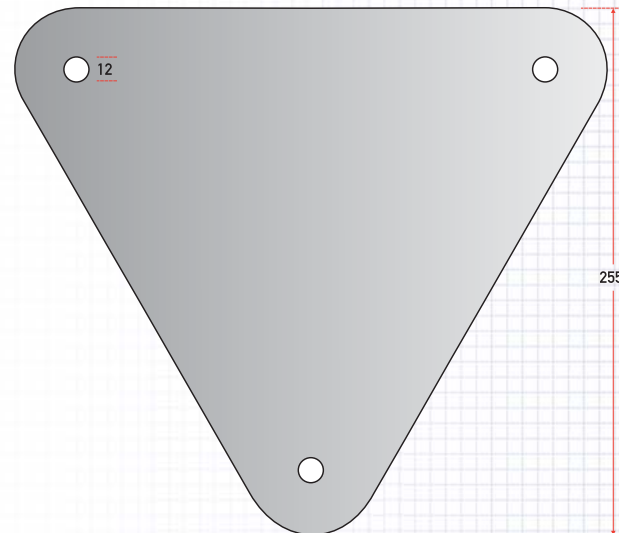


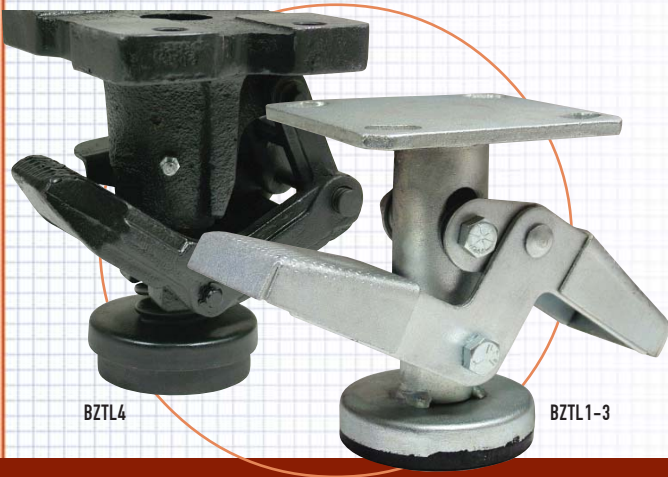
The central heavy duty swivel head, mounted on top of the triangular base plate, carries the load. It has a top plate with four bolt holes for securing the load and an access hole is provided in the base plate to enable mounting bolts to be fitted.

with type A



with type B





## TRUCK LOCKS

Specially designed devices that hold trucks or trolleys in a fixed position during loading or unloading. They are designed to enable a quick and easy change between the locked and free movement modes.

BZTL series truck locks are of a pressed steel construction with a zinc-plated finish (excluding BZTL4 which is cast iron with a black finish).

Mounting height	Retracted height	Plate type	Fixing bolt diameter	Pressed steel	Cast iron
165	135	A	10	BZTL1	–
195	157	A	10	BZTL2	–
240	212	A	10	BZTL3	–
240	212	B	10	BZTL3 ISO	–
200	125	C	12	–	BZTL4
151	125	D	12	BZTL5	–
210	170	D	12	BZTL6	–

### MOUNTING

All BIL truck locks are top plate mounted and bolted to the underside of the trolley. The principle on which they work requires a constant gap between the unit and the floor, so it is best to mount the truck lock close to a castor, ensuring that it does not interfere with the free movement and operation of the castor. The mounting height shown in the table above is the gap between the truck lock top plate mounting surface and the floor. This is critical to correct operation – mounting pads, between the top plate and underside of the trolley, may be necessary to achieve this.

A step down foot-operated pedal moves a skid-resistant rubber pad into friction contact with the floor surface. This is done with a spring-loaded over-cam mechanism that does not lift the load and keeps the operating force low. It also means the load rating of the trolley is not relevant to the truck lock. A second step down pedal raises the footpad. The limited number of parts means there is less to maintain or go wrong.

Where a trolley has four swivel castors, two truck locks are required – one to be fitted at each end, either on the same side or diagonally opposite. Only one truck lock is required at the swivel end of a trolley that has two swivel and two fixed castors.

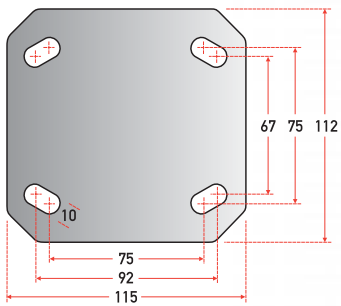




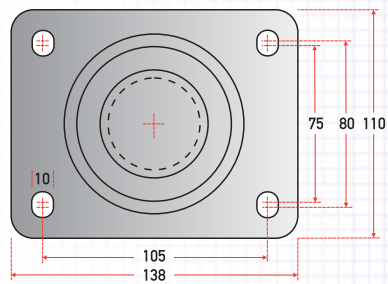
BZTL5-6

## PLATE TYPES AND DIMENSIONS (mm)

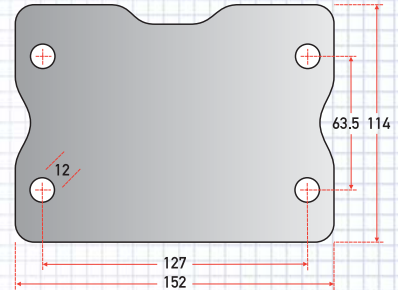
Type A



Type B



Type C



Type D

