42
42 facilities

14
14 countries

192K
192k castors shipped daily.

Colson Caster Guangzhou Ltd

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E-mail：marketing@colsonchina.com
Website：www.colsonchina.com

colson®

THE MOST TRUSTED CASTER IN THE WORLD



Version: KS003

THE GLOBAL LEADER IN CASTERS AND WHEELS

- The global leader in castors and most complete product offering in the world
- One-stop shopping for any application and budget
- The most experienced engineering, sales, manufacturing, and quality teams
- Local service worldwide, ready for any business needs

A PARTNER YOU CAN RELY ON

ACCREDITATION AND AFFILIATES

National Sanitation Foundation for Food Servece

Consult factory for accreditation and affiliated organization requirements on a part-specific basis.

colson®

colson®

Bearing -03



Wheels -05



Floor Lock -11



Cushion -12



Industrial Casters

1 Series



65-100mm
38-62kg

2 Series



65-75mm
55-95kg

2 Series



65-150mm
56-146kg

2 Series
Stainless Steel



75-125mm
90-136kg

4 Series



100-200mm
180-560kg

4 Series
Stainless Steel



100-200mm
136-560kg

4 Series
enforcer®



100-200mm
180-560kg

6 Series



150-200mm
204-680kg

6 Series
enforcer®



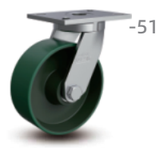
150-200mm
270-680kg

6 Series
Spring Loaded



150-200mm
450-500kg

7 Series



150-300mm
900-2050kg

Veloris Series
Light Duty



80-125mm
80-180kg

Veloris Series
Medium Duty



160-200mm
225-400kg

Elite Series
Medium Duty



80-125mm
120-300kg

ALBION®

BMC Series -69



50-75mm
90-800kg

Air Cargo Series -73



58-70mm
120-250kg

Shopping Cart Series -79



125mm
80-100kg

Pneumatic Series -81



200-250mm
140-210kg

Wheels -119



Bearing -123



Brake -124



Floor Lock -125



Medical Casters

SOFI Series -85



75-125mm
80-100kg

Tinis Series -87



100mm
100kg

Softtech Series -89



75-100mm
50-70kg

Genesis Series -91



75-100mm
50-102kg

STO Series -93



75-150mm
70-100kg

AVANT Series -95



100-150mm
100kg

36 Series -99



80-200mm
80-120kg

CGT Econimic Series -103



75mm
40kg

CPT Series -105



75-125mm
80-100kg

CPT Enhanced Series -107



100-125mm
100kg

TUC Series
Central Lock -109



125mm
110kg

398 Series
Central Lock -111



125-200mm
100-150kg

390 Series
Central Lock -113



100-125mm
100kg

Salvus Series -115



150mm
110kg

Heavy-Duty Casters

110 Series -131



101.6-203.2mm
360-630kg

310 Series -133



152.4-304.8mm
1130-1860kg

410 Series -135



152.4-305mm
1400-2450kg

610 Series -137



152-304.8mm
1270-3270kg

AGV Series -141



35-254mm
50-3500kg

550PF Series -145



254mm
1500-3000kg

colson®

Focusing on Industrial Caster R & D And Manufacturing

Expert Of Medical Caster Solution

WHEEL BEARING



Roller Bearing



Delrin Bearing



Plain & Sleeve Bearing



Annular Ball Bearing



Ball Bearing



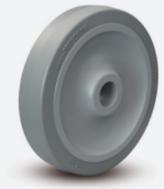
Precision Ball Bearing

WHEEL MATERIAL

Hi-Tech Performa Wheels

Performa wheels offer the advantages of both hard and soft tread materials in a single wheel. Like a hard tread wheel, Performa rolls easily and is very durable.
Like a soft tread wheel, it rolls quietly, protects floors and resists impacts with a cushioned ride. It also features maximum weatherability, low-temperature flexibility, resistance to chemicals, water and steam, and resists floor debris.

Temperature range: -20℃ ~ +60℃
Hardness:65 (±5)Shore A



Colson 1 Series
HI-Tech Performa Wheel Flat



Colson 2 Series
HI-Tech Performa Wheel Flat



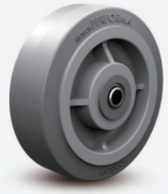
Colson 2 Series
Performa Wheel Round



Colson 2 Series
Quick-start Performa Wheel



Colson 4&6 Series
Performa Wheel Round



Colson 4&6 Series
Performa Wheel Flat(-2)



Colson 4&6 Series
Performa Wheel Flat(-2)

Nylon Wheel

Colson nylon wheels are fully molded. They are recommended for applications requiring high loading capacity and strong impact resistance. The wheel is non-marking.

Temperature range: -30℃ ~ +80℃
Hardness:80 (±5)Shore A



Colson 2 Series Nylon Wheels

Performa Conductive Wheels

Protects floor with a non-marking tread design.
Conductive material eliminates static build-up and discharge.
Meets the requirement of an average electrical resistance of less than 250,000 ohms.
Uses imported material.
Features a cushion ride.



Colson 2 Series Conductive Wheels



Colson 4&6 Series Conductive Wheels

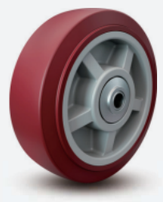
Hi-Tech Polyurethane Wheels

Industrial strength polyurethane tread is bonded to a “ribbed” polyolefin core. This design adds strength for loads subjected to shock and hard impacts.
Tread is molded in, around and through a ribbed extension of the core to prevent debonding.
This wheel offers advantages of light weight and protects the environment.

*Not recommended for conditions of continuous operation such as tow line, etc.



Colson 2 Series Hi-Tech Polyurethane Wheel

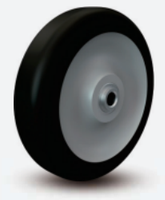


Colson 4&6 Series Hi-Tech Polyurethane Whee

Hi-Tech Nylon Wheels

Industrial strength nylon tread is bonded to the core.
This design adds strength for loads subjected to shock and hard impacts.
Tread is molded in, around and through a ribbed extension of the core to prevent debonding.

*Not recommended for conditions of continuous operation such as tow line, etc.
Temperature range: -20℃ ~ +60℃
Hardness:80 (±5)Shore D



Colson 2 Series Hi-tech Nylon Wheel



Colson 4&6 Series Hi-tech Nylon Wheel

Polyolefin Wheels

Designed for hard impacts and heavy loads, this wheel is injection molded from an exclusive Colson polyolefin compound. The unique ribbed design adds strength. Very light in weight, yet the impact strength of this wheel is far superior to hard rubber wheels.

*Not recommended for conditions of continuous operation such as tow line, etc.
Temperature range: -20℃ ~ +60℃
Hardness:70 (±5)Shore D



Colson 2 Series Polyolefin Wheel



Colson 4&6 Series Polyolefin Wheel

Thermo Wheels

These wheels are molded from an exclusive engineered resin compound.
They offer non-marking floor protection, excellent shock absorption, and high resistance to water, oil, and salt solutions.
Thermo wheels are ideal for applications in food processing and medicine processing.

Temperature range: -30℃ ~ +230℃



Colson 2 Series Thermo Wheels



Colson 4&6 Series Thermo Wheels

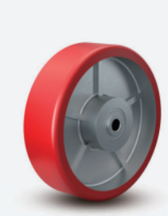
Polyurethane on Iron Wheels

Light-weight and ultra-durable, this wheel has a very high strength-to-weight ratio and is capable of long service under heavy loads. The wheel is non-marking.

Temperature range: -30℃ ~ +70℃
Hardness:95 (±5)Shore A



Colson 4&6 Series Polyurethane Iron Wheels



Colson 7 Series Polyurethane Iron Wheels

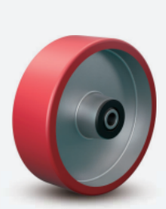
Polyurethane on Aluminum Wheels

Light-weight and ultra-durable, this wheel has a very high strength-to-weight ratio and is capable of long service under heavy loads. The wheel is non-marking.

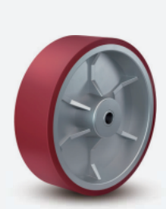
Temperature range: -30℃ ~ +70℃
Hardness:95 (±5)Shore A



CG-MAX Orange Polyurethane Aluminum



Colson 4&6 Series Polyurethane Aluminum Wheels



Colson 7 Series Polyurethane Aluminum Wheels

Cast Iron Wheel

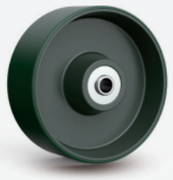
This wheel should be specified when excessive load weights are involved and floor protection is not a factor. Its high strength withstands sharp impacts. They should not be used if noise is of major concern or if loads are fragile.



Colson 4&6 Series Cast Iron Wheels

Forged Steel Wheel

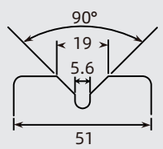
This wheel is for exceptionally heavy-duty service where floor protection is not a factor. They should not be used if noise is of major concern or if loads are fragile.



Colson 4&6&7 Series Forged Steel Wheels

V-Groove Cast Iron Wheel

V-Groove wheels are for track or floor operation on inverted angle iron track in production lines.



V-groove cast iron wheel width and depth dimensions



Colson 4&6 Series V-Groove Cast Iron Wheels

Maxim Wheel

Colson Maxim Wheels feature an exclusive, ultra-tough thermoplastic compound that resists hard impacts and drop-shocks. The wheel is impervious to most chemicals. When compared to other hard tread wheels, Maxim wheels require less force to roll and swivel. The wheel is non-marking.

Temperature range: -30℃ ~ +80℃

To +176℃ if specify a bronze or roller bearing with mid-temp grease.

Hardness:85 (±5)Shore D



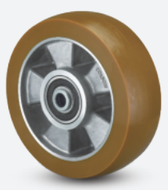
Colson 4&6 Series Maxim Wheels

Polyurethane on Aluminum Wheel

Light-weight and ultra-durable, this wheel has a very high strength-to-weight ratio and is capable of long service under heavy loads. The wheel is non-marking.

Temperature range: -30℃ ~ +70℃

Hardness:95 (±5)Shore A



Sandwich Wheel

The tread and inner core are made of high-quality polypropylene. The middle layer adopts red elastic TPE as buffer, shock absorber and for noise reduction. It features low rolling resistance and smooth operation.

Temperature range: -20℃ ~ +20℃



Nylon Wheels

Colson nylon wheels are fully molded. They are recommended for applications requiring high load capacity and excellent impact resistance. The wheels are non-marking.

Temperature range: -30℃ ~ +80℃

Hardness:80 (±5)Shore D



Hi-Tech Performa Wheels

Performa wheels offer the advantages of both hard and soft tread materials in a single wheel. Like a hard tread wheel, Performa rolls easily and are very durable. Like a soft tread wheel, it rolls quietly, protects floors and resists impacts with a cushioned ride. It also features maximum weatherability, low temperature flexibility, resistance to chemicals, water and steam, and leaves no floor marks.

Temperature range: -20℃ ~ +60℃

Hardness:65 (±5)Shore A



Hi-Tech Polyurethane Wheels

Industrial strength polyurethane tread is bonded to a "ribbed" polyolefin core. This design adds strength for loads subjected to shock and hard impacts. Tread is molded in, around and through a ribbed extension of the core to prevent debonding. This wheel offers the advantages of light weight and is environmentally friendly.

*Not recommended for conditions of continuous operation such as tow line, etc.

Temperature range: -30℃ ~ +70℃

Hardness:95 (±5)Shore A



Rubber Wheels

The tread is made of high-quality natural non-slip rubber, which is vulcanized and bonded to a high-quality impact-resistant engineering nylon wheel core. The highly elastic rubber material possesses remarkable unique properties such as excellent noise reduction, floor protection, and shock absorption.

Temperature range: -20℃ ~ +60℃

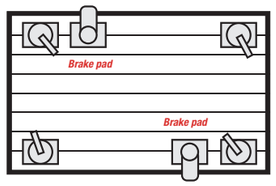
Hardness:70 (±5)Shore A



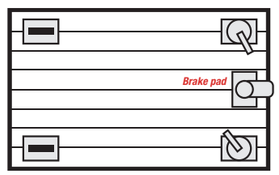
Floor Lock



Installation site



Installation positions for the parking brakes on a transport vehicle equipped with four movable wheels.

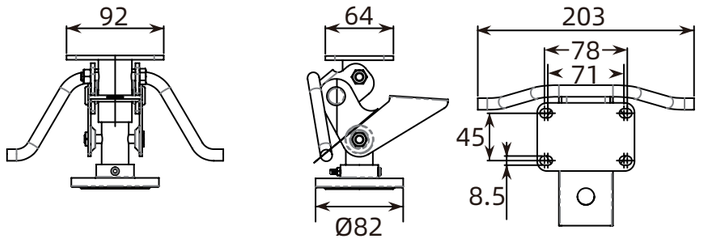


Installation positions for the ground brakes used to equip two mobile and fixed wheeled transport vehicles.

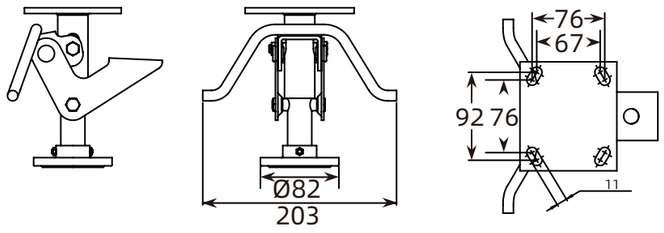
Applicable to the 2 series			
Code	6002X3	6253X4	6002X5
Wheel Dia.	3-1/2"	4"	5"
Extended Height A	121mm	140mm	159mm
Retracted Height B	94mm	114mm	131mm
Top Plate Size	64X92mm		
Bolt Hole Spacing	45mmX71-78mm		
Bolt Hole Size	8mm		

Applicable to the 4、6 series			
6045X4	6253X5	6045X6	6025X8
4"	5"	6"	8"
149mm	169mm	197mm	247mm
125mm	141mm	169mm	219mm
102X114mm			
67-76mmX76-92mm			
11mm			

-2 series Installation size chart



-4、6 series Installation size chart



Cushion



6906



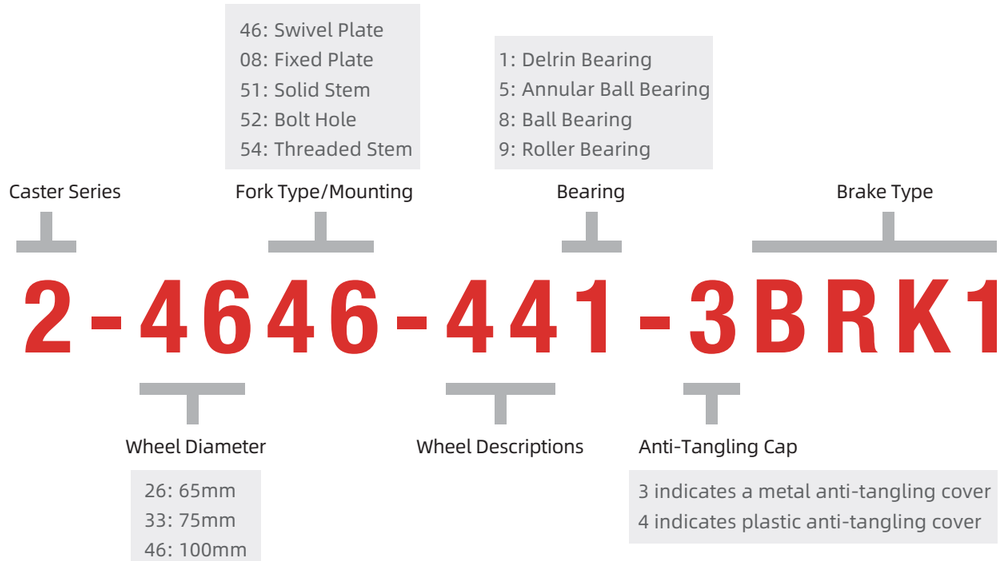
6905

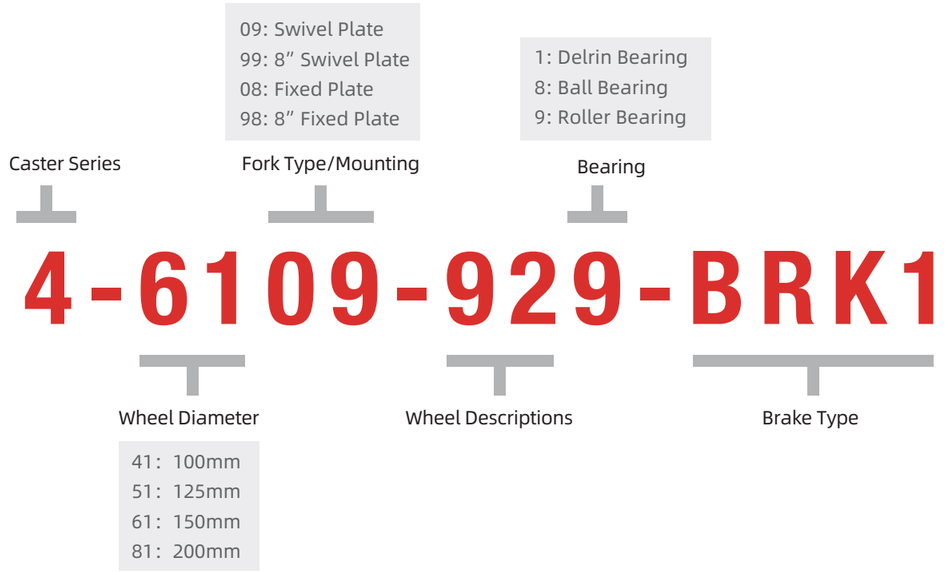
-Angle Form Cushion

The angular buffer pad is installed at the top of the corner where the equipment is likely to be impacted, providing excellent protection for the equipment.
Basic dimensions: side length 76mm, width 28.5mm.

Code	Length of Side(mm)	Width(mm)	Thickness(mm)	Installation Hole Spacing(mm)
6905	63	19	19	28
6906	66	28	25	37

INDUSTRIAL CASTER MODEL DESCRIPTION





SYMBOL COMPARISON TABLE

	wheel material
	wheel diameter
	tread width
	hub width
	top plate dimensions
	bolt hole space
	single bolt hole
	stem type
	offset
	install height
	swivel radius
	swivel
	rigid
	brake
	bearing
	load capacity

INDUSTRIAL CASTERS SERIES

colson®





1 Series

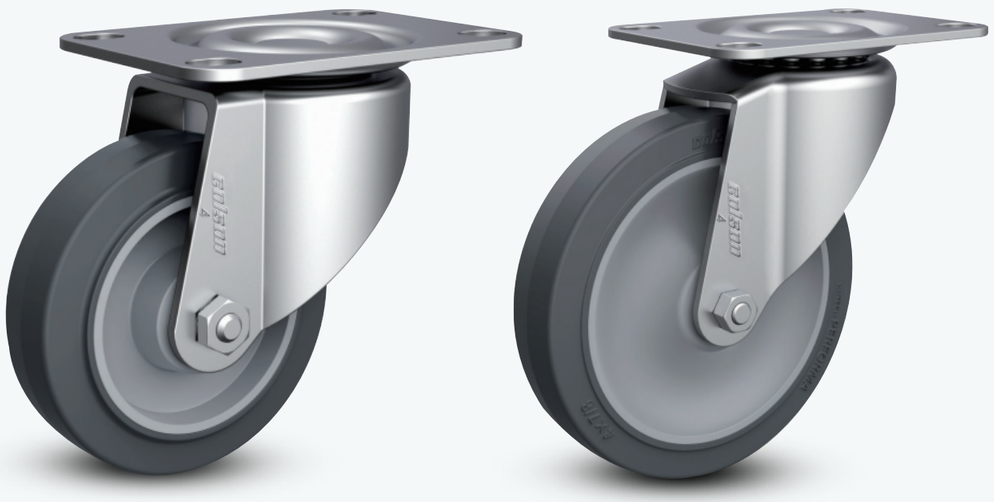
Features

(Capacity up to 62kg)

★ Full double ball raceways hardened with heat treat process for better performance and greater durability.

★ Zinc plated finish with RoHS compliance.

★ Colson Performa grey rubber wheel are quiet, non-marking and protects floor.



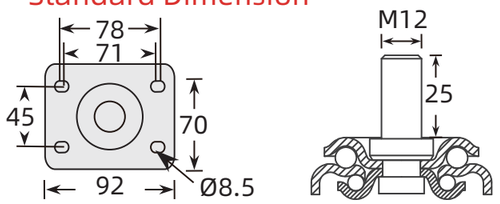
- Brake Selection



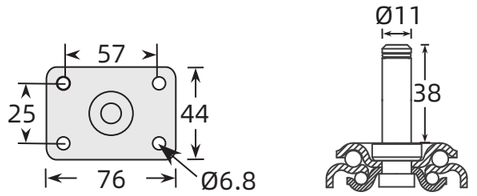
Wheel Dia.	Side Lock (BRK3)
65mm	×
75mm	✓
100mm	✓

Note: Please specify 'BRK3' after the swivel caster model when ordering.
Example: 1-3356-441BRK3.

- Standard Dimension



-Applicable to wheel diameter 75mm、100mm



-Applicable to wheel diameter 50mm

- Top Plate

(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
50	22	38	Performa	Delrin	1-2266-441	—	70	50
75	22	58	Performa	Delrin	1-3356-441	1-3308-441	95	72
100	22	62	Performa	Delrin	1-4356-441	1-4308-441	121	88

- Threaded Stem

(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
50	22	38	Performa	Delrin	1-2254-441	—	70	50
75	22	58	Performa	Delrin	1-3354-441	—	95	72
100	22	62	Performa	Delrin	1-4354-441	—	121	88

- Grip Ring Stem

(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
75	22	58	Performa	Delrin	1-3351-441	—	95	72
100	22	62	Performa	Delrin	1-4351-441	—	121	88

2 Series- Light Duty Caster

Features

(Capacity up to 95kg)

★ Full double ball raceways hardened with heat treat process for better performance and greater durability.

★ Zinc plated finish with RoHS compliance.

★ Low profile design and quick start-up.

★ Thread guard and side brake.

★ Perfect for applications such as business machine cart, hardware transport cart,

★ household tidy cart and so on.



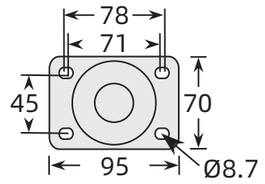
- Brake Selection

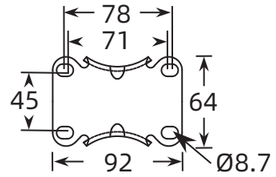


Wheel Dia.	Side Lock (BRK3)
65mm	×
75mm	✓

Note: Please specify BRK3 after the swivel caster model when ordering.
Example: 2-3689-52BRK3.

- Standard Dimension





- Technical Data

(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
65	28	80	Hard Rubber	Plain	2-2689-54	2-2688-54	84	60
		55	Soft Rubber	Plain	2-2689-44	2-2688-44	84	60
		80	Polyolefin	Plain	2-2689-52	2-2688-52	84	60
75	32	95	Hard Rubber	Plain	2-3689-54	2-3688-54	97	68
		57	Soft Rubber	Plain	2-3689-44	2-3688-44	97	68
		95	Polyolefin	Plain	2-3689-52	2-3688-52	97	68

2 Series

Features

(Capacity up to 146kg)

★ Full double ball raceways hardened with heat treat process for greater durability and better flexibility.

★ Raceway with metal dust cap.

★ Zinc plated finish with RoHS compliance.





- Brake Selection



Top Lock (BRK1)



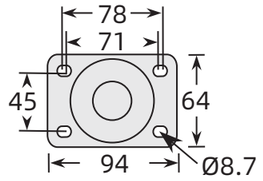
Tech Lock (BRK2)

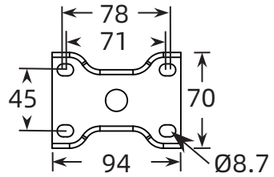


Total Lock (BRK4)

Note: Please specify BRK1/BRK2/BRK4 after the swivel caster model when ordering.
Example: 2-2646-91BRK4.

- Standard Dimension





- Technical Data

(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
65	32	80	Polyurethane HI-TECH	Delrin	2-2646-91	——	91	57
		80	Polyurethane HI-TECH	Annular Ball	2-2646-95	——	91	57
		64	Performa Flat Tread	Delrin	2-2646-441	——	91	57
		64	Performa Flat Tread	Annular Ball	2-2646-445	——	91	57
		56	Performa Conductive Flat	Annular Ball	2-2646-445C	——	91	57
	34	136	Black Nylon	Plain	2-2646-23	——	91	57
75	32	114	Polyurethane HI-TECH	Delrin	A2-3346-91	A2-3308-91	108	75
		114	Polyurethane HI-TECH	Annular Ball	A2-3346-95	A2-3308-95	108	75
		90	Performa Flat Tread	Delrin	A2-3346-441	A2-3308-441	108	75
		90	Performa Flat Tread	Annular Ball	A2-3346-445	A2-3308-445	108	75
		100	Quick-start Performa	Ball Bearing	A2-3346-448	A2-3308-448	108	75
		90	Polyolefin	Delrin	A2-3346-533	A2-3308-533	108	75
		90	Polyolefin	Annular Ball	A2-3346-535	A2-3308-535	108	75
		80	Performa Conductive Flat	Annular Ball	A2-3346-445C	A2-3308-445C	108	75
		90	Thermo 230℃	Plain	A2-3346-52HT	A2-3308-52HT	108	75
		136	White Nylon	Delrin	A2-3346-251	A2-3308-251	108	75
		136	White Nylon	Annular Ball	A2-3346-255	A2-3308-255	108	75
		100	Nylon HI-TECH	Delrin	A2-3346-221	A2-3308-221	108	75
		100	Nylon HI-TECH	Annular Ball	A2-3346-225	A2-3308-225	108	75
		80	Hard Rubber	Plain	A2-3346-543	A2-3308-543	108	75
		80	Soft Rubber	Plain	A2-3346-443	A2-3308-443	108	75
		136	Cast Iron	Plain	A2-3346-162	A2-3308-162	108	75

(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
90	32	114	Polyurethane HI-TECH	Delrin	2-3646-91	2-3608-91	119	78
		114	Polyurethane HI-TECH	Annular Ball	2-3646-95	2-3608-95	119	78
		114	Performa Flat Tread	Delrin	2-3646-441	2-3608-441	119	78
		114	Performa Flat Tread	Annular Ball	2-3646-445	2-3608-445	119	78
		105	Polyolefin	Delrin	2-3646-533	2-3608-533	119	78
		105	Polyolefin	Annular Ball	2-3646-535	2-3608-535	119	78
		136	White Nylon	Delrin	2-3646-251	2-3608-251	119	78
		136	White Nylon	Annular Ball	2-3646-255	2-3608-255	119	78
		125	Nylon HI-TECH	Delrin	2-3646-221	2-3608-221	119	78
		125	Nylon HI-TECH	Annular Ball	2-3646-225	2-3608-225	119	78
		100	Performa Conductive Flat	Annular Ball	2-3646-445C	2-3608-445C	119	78
		136	Thermo180℃	Plain	2-3646-53HT	2-3608-53HT	119	78
		136	Thermo 230℃	Plain	2-3646-52HT	2-3608-52HT	119	78
		91	Hard Rubber	Plain	2-3646-543	2-3608-543	119	78
		91	Soft Rubber	Plain	2-3646-443	2-3608-443	119	78
		136	Cast Iron	Plain	2-3646-162	2-3608-162	119	78
	33	95	Performa Round Tread	Delrin	2-3646-561	2-3608-561	119	78
		95	Performa Round Tread	Annular Ball	2-3646-565	2-3608-565	119	78
		90	Performa Conductive Round	Annular Ball	2-3646-565C	2-3608-565C	119	78
100	32	136	Polyurethane HI-TECH	Delrin	2-4646-91	2-4608-91	130	84
		136	Polyurethane HI-TECH	Annular Ball	2-4646-95	2-4608-95	130	84
		136	Performa Flat Tread	Delrin	2-4646-441	2-4608-441	130	84
		136	Performa Flat Tread	Annular Ball	2-4646-445	2-4608-445	130	84
		136	Performa Flat Tread(QS)	Ball Bearing	2-4646-448	2-4608-448	130	84
		125	Polyolefin	Delrin	2-4646-533	2-4608-533	130	84
		125	Polyolefin	Annular Ball	2-4646-535	2-4608-535	130	84
		136	White Nylon	Delrin	2-4646-251	2-4608-251	130	84
		136	White Nylon	Annular Ball	2-4646-255	2-4608-255	130	84
		136	Nylon HI-TECH	Delrin	2-4646-221	2-4608-221	130	84
		136	Nylon HI-TECH	Annular Ball	2-4646-225	2-4608-225	130	84
		114	Performa Conductive Flat	Annular Ball	2-4646-445C	2-4608-445C	130	84
		136	Thermo180℃	Plain	2-4646-53HT	2-4608-53HT	130	84
		136	Thermo 230℃	Plain	2-4646-52HT	2-4608-52HT	130	84
		91	Hard Rubber	Plain	2-4646-543	2-4608-543	130	84
		91	Soft Rubber	Plain	2-4646-443	2-4608-443	130	84
		136	Cast Iron	Plain	2-4646-162	2-4608-162	130	84

(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
125	32	136	Polyurethane HI-TECH	Delrin	2-5646-91	2-5608-91	157	101
		136	Polyurethane HI-TECH	Annular Ball	2-5646-95	2-5608-95	157	101
		136	Performa Flat Tread	Delrin	2-5646-441	2-5608-441	157	101
		136	Performa Flat Tread	Annular Ball	2-5646-445	2-5608-445	157	101
		136	Performa Flat Tread(QS)	Ball Bearing	2-5646-448	2-5608-448	157	101
		136	Polyolefin	Delrin	2-5646-533	2-5608-533	157	101
		136	Polyolefin	Annular Ball	2-5646-535	2-5608-535	157	101
		136	White Nylon	Delrin	2-5646-251	2-5608-251	157	101
		136	White Nylon	Annular Ball	2-5646-255	2-5608-255	157	101
		136	Nylon HI-TECH	Delrin	2-5646-221	2-5608-221	157	101
		136	Nylon HI-TECH	Annular Ball	2-5646-225	2-5608-225	157	101
		114	Performa Conductive Flat	Annular Ball	2-5646-445C	2-5608-445C	157	101
		136	Thermo180℃	Plain	2-5646-53HT	2-5608-53HT	157	101
		136	Thermo 230℃	Plain	2-5646-52HT	2-5608-52HT	157	101
		91	Hard Rubber	Plain	2-5646-543	2-5608-543	157	101
		91	Soft Rubber	Plain	2-5646-443	2-5608-443	157	101
		136	Cast Iron	Plain	2-5646-162	2-5608-162	157	101
	33	114	Performa Round Tread	Delrin	2-5646-561	2-5608-561	157	101
		114	Performa Round Tread	Annular Ball	2-5646-565	2-5608-565	157	101
		90	Performa Conductive Round	Annular Ball	2-5646-565C	2-5608-565C	157	101
150	32	136	Polyurethane HI-TECH	Delrin	2-6646-91	2-6608-91	185	113
		136	Polyurethane HI-TECH	Annular Ball	2-6646-95	2-6608-95	185	113
		136	Performa Flat Tread	Delrin	2-6646-481	2-6608-481	185	113
		136	Performa Flat Tread	Annular Ball	2-6646-485	2-6608-485	185	113
		146	Black Nylon	Delrin	2-6646-251	2-6608-251	185	113
		146	Black Nylon	Annular Ball	2-6646-255	2-6608-255	185	113

- Threaded Stem



Specify changing '46' to '54' in the top plate casters.
(46 = Top plate; 54 = Threaded Stem)
Example: 2-2646-91 → 2-2654-91

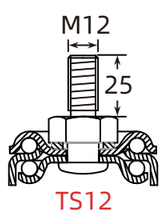
- Brake Selection



Top Lock (BRK1) Tech Lock (BRK2) Total Lock (BRK4)

Note: Please specify BRK1/BRK2/BRK4 after the swivel caster model when ordering.
Example: 2-2654-91BRK4.

- Standard Dimension



Threaded Stem

TS12	M12*25mm
TS16	M16*25mm

Note: Please specify TS12/TS16 after the product model number.
Example: 2-5654-95-TS12.

- Grip Ring Stem



Specify changing '46' to '51' in the top plate casters.
(46 = Top plate; 51 = Grip Ring Stem)
Example: 2-2646-91 → 2-2651-91

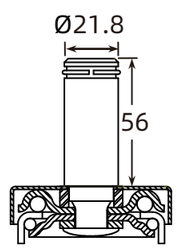
- Brake Selection



Top Lock (BRK1) Tech Lock (BRK2) Total Lock (BRK4)

Note: Please specify BRK1/BRK2/BRK4 after the swivel caster model when ordering.
Example: 2-2651-91BRK4.

- Standard Dimension



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- Bolt Hole



Specify changing '46' to '52' in the top plate casters.
(46 = Top plate; 52 = Bolt Hole)
Example: 2-2646-91 → 2-2652-91

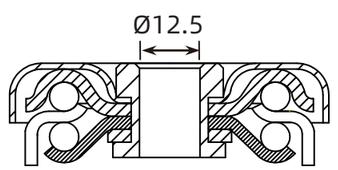
- Brake Selection



Top Lock (BRK1) Tech Lock (BRK2) Total Lock (BRK4)

Note: Please specify BRK1/BRK2/BRK4 after the swivel caster model when ordering.
Example: 2-2652-91BRK4.

- Standard Dimension



2 Series- Stainless Steel Caster

Features

(Capacity up to 136kg)

★ Polished 304 grade stainless steel finish handles the most punishing, corrosive conditions.

★ Double ball raceways for better performance and greater durability.

★ All component parts, including spanner bushing axle, nut, are 304 grade stainless steel.



- Brake Selection



Top Lock (BRK5)



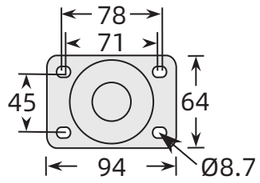
Tech Lock (BRK2)

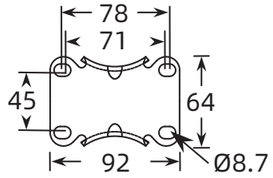


Total Lock (BRK4)

Note: Please specify BRK2/BRK4/BRK5 after the swivel caster model when ordering.
Example: 2-3456-944BRK4.

- Standard Dimension





- Technical Data

(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
75	32	114	Polyurethane HI-TECH	Delrin	A2-3356SS-944	A2-3308SS-944	108	75
		90	Performa Flat Tread	Delrin	A2-3356SS-444	A2-3308SS-444	108	75
		90	Polyolefin	Delrin	A2-3356SS-544	A2-3308SS-544	108	75
		90	Thermo 230℃	Plain	A2-3356SS-52HT	A2-3308SS-52HT	108	75
		136	White Nylon	Delrin	A2-3356SS-254	A2-3308SS-254	108	75
		100	Nylon HI-TECH	Delrin	A2-3356SS-224	A2-3308SS-224	108	75
90	32	114	Polyurethane HI-TECH	Delrin	2-3456-944	2-3408-944	119	78
		114	Performa Flat Tread	Delrin	2-3456-444	2-3408-444	119	78
		105	Polyolefin	Delrin	2-3456-544	2-3408-544	119	78
		136	White Nylon	Delrin	2-3456-254	2-3408-254	119	78
		125	Nylon HI-TECH	Delrin	2-3456-224	2-3408-224	119	78
		136	Thermo 180℃	Plain	2-3456-53HT	2-3408-53HT	119	78
		136	Thermo 230℃	Plain	2-3456-52HT	2-3408-52HT	119	78
	33	95	Performa Round Tread	Delrin	2-3456-564	2-3408-564	119	78
100	32	136	Polyurethane HI-TECH	Delrin	2-4456-944	2-4408-944	130	84
		136	Performa Flat Tread	Delrin	2-4456-444	2-4408-444	130	84
		125	Polyolefin	Delrin	2-4456-544	2-4408-544	130	84
		136	White Nylon	Delrin	2-4456-254	2-4408-254	130	84
		136	Nylon HI-TECH	Delrin	2-4456-224	2-4408-224	130	84
		136	Thermo 180℃	Plain	2-4456-53HT	2-4408-53HT	130	84
		136	Thermo 230℃	Plain	2-4456-52HT	2-4408-52HT	130	84
125	32	136	Polyurethane HI-TECH	Delrin	2-5456-944	2-5408-944	157	101
		136	Performa Flat Tread	Delrin	2-5456-444	2-5408-444	157	101
		136	Polyolefin	Delrin	2-5456-544	2-5408-544	157	101
		136	White Nylon	Delrin	2-5456-254	2-5408-254	157	101
		136	Nylon HI-TECH	Delrin	2-5456-224	2-5408-224	157	101
		136	Thermo 180℃	Plain	2-5456-53HT	2-5408-53HT	157	101
		136	Thermo 230℃	Plain	2-5456-52HT	2-5408-52HT	157	101
	33	114	Performa Round Tread	Delrin	2-5456-564	2-5408-564	157	101

- Threaded Stem



Specify changing '56' to '54' in the top plate casters.
(56 = Top plate; 54 = Threaded Stem)
Example: A2-3356SS-944 → A2-3354SS-944

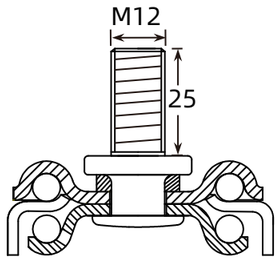
- Brake Selection



Top Lock (BRK5) | Tech Lock (BRK2) | Total Lock (BRK4)

Note: Please specify BRK2/BRK4/BRK5 after the swivel caster model when ordering.
Example: A2-3454SS-944BRK4.

- Standard Dimension



- Bolt Hole



Specify changing '56' to '52' in the top plate casters.
(56 = Top plate; 52 = Bolt Hole)
Example: A2-3356SS-944 → A2-3352SS-944

- Brake Selection



Top Lock (BRK5) | Tech Lock (BRK2) | Total Lock (BRK4)

Note: Please specify BRK2/BRK4/BRK5 after the swivel caster model when ordering.
Example: A2-3352SS-944BRK4.

- Standard Dimension



Bolt Hole Size

HK10	10mm
HK13	13mm

Note: Please specify HK10/HK13 after the product model number.
Example: 2-5452-944HK10.

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- 2 Series Wheel Selection



Nylon HI-TECH

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
75	32	100	Delrin	2-30-221
			Annular Ball	2-30-225
90		125	Delrin	2-35-221
			Annular Ball	2-35-225
100		136	Delrin	2-4-221
			Annular Ball	2-4-225
125		136	Delrin	2-5-221
			Annular Ball	2-5-225



Performa Conductive Flat

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
65	32	56	Annular Ball	2-25-445C
75		80		A2-30-445C
90		100		2-35-445C
100		114		2-4-445C
125		114		2-5-445C



Polyurethane HI-TECH

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
65	32	80	Delrin	2-25-91
			Annular Ball	2-25-95
75		114	Delrin	A2-30-91
			Annular Ball	A2-30-95
90		114	Delrin	2-35-91
			Annular Ball	2-35-95
100		136	Delrin	2-4-91
			Annular Ball	2-4-95
125		136	Delrin	2-5-91
			Annular Ball	2-5-95
150		136	Delrin	2-6-91
			Annular Ball	2-6-95

- 2 Series Wheel Selection



Nylon Wheels

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
75	32	136	Delrin	2-30-251
			Annular Ball	2-30-255
90		136	Delrin	2-35-251
			Annular Ball	2-35-255
100		136	Delrin	2-4-251
			Annular Ball	2-4-255
125		136	Delrin	2-5-251
			Annular Ball	2-5-255



Polyolefin Wheels

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
75	32	100	Delrin	2-30-221
			Annular Ball	2-30-225
90		125	Delrin	2-35-221
			Annular Ball	2-35-225
100		136	Delrin	2-4-221
			Annular Ball	2-4-225
125		136	Delrin	2-5-221
			Annular Ball	2-5-225



Thermo Wheels

Wheel Dia.	Tread Width	Load Capacity	Bearing	(℃)	Wheel Code
75	32	90	Plain	230℃	2-30-52HT
90		136		180℃	2-35-53HT
				230℃	2-35-52HT
100		135		180℃	2-4-53HT
				230℃	2-4-52HT
125		136		180℃	2-5-53HT
				230℃	2-5-52HT



Performa Conductive Flat

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
65	32	56	Annular Ball	2-25-445C
75		80		A2-30-445C
90		100		2-35-445C
100		114		2-4-445C
125		114		2-5-445C

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- 2 Series Wheel Selection



Performa Wheel Flat

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
65	32	64	Delrin	2-25-441
			Annular Ball	2-25-445
75		90	Delrin	A2-30-441
			Annular Ball	A2-30-445
90		114	Delrin	2-35-441
			Annular Ball	2-35-445
100		136	Delrin	2-4-441
			Annular Ball	2-4-445
125		136	Delrin	2-5-441
			Annular Ball	2-5-445
150		136	Delrin	2-6-441
			Annular Ball	2-6-445



Performa Wheel Round

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
90	33	95	Delrin	2-35-561
			Annular Ball	2-35-565
125		114	Delrin	2-5-561
			Annular Ball	2-5-565



Quick-start Performa Wheel

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
75	32	100	Ball Bearing	A2-30-448
100		136		2-4-448
125		136		2-5-448

4 Series

Features (Capacity up to 560kg)

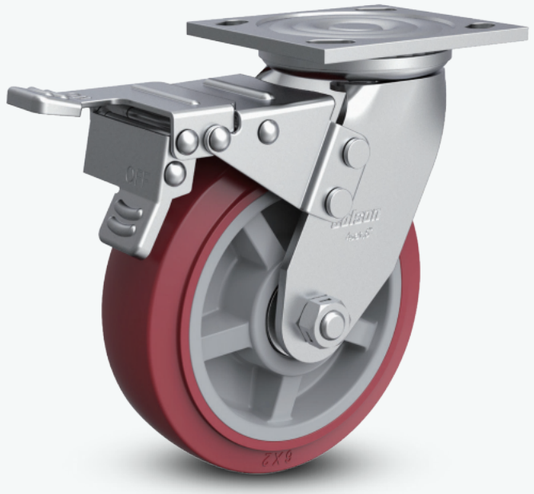
★ Double ball raceways undergo carbonitriding heat treatment process, enhancing the hardness of the raceways, and improving durability and rotational flexibility.

★ Zinc plated finish with RoHS compliance.

★ Equipped with a grease zerk fitting for easy maintenance.

★ Permanent rivet kingpin with 5/8" diameter rivet for swivel ease and stability.





- Brake Selection



Tread Lock (BRK1)



Top Lock (BRK7)



Tech Lock (BRK2)



Total Lock (DB4)



Side Lock (BRK3)

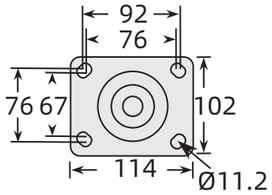


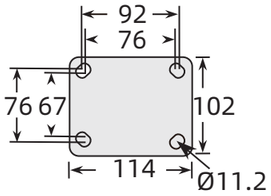
Total Lock (BRK4)

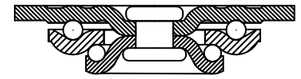


Directional Lock (DL-51)

- Standard Dimension







Swivel Cross Section
Frame width: 64mm

Note: Please specify BRK1/BRK7/BRK2/DB4/BRK3/BRK4/DL-51 after the swivel caster model when ordering.
Example:4-6109-928BRK1.
Available on all models with roller bearings only (Specify BRK3).
Total lock is not compatible with DL-51.
Available on all models except high-temperature wheels (Specify BRK1, BRK2, BRK4)

(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
100	51	270	Polyurethane HI-TECH	Delrin	4-4109-921	4-4108-921	143	91
		270	Polyurethane HI-TECH	Prec.Ball	4-4109-928	4-4108-928	143	91
		180	Performa Flat/Grey	Delrin	4-4109-451	4-4108-451	143	91
		180	Performa Flat/Grey	Roller	4-4109-459	4-4108-459	143	91
		180	Performa Flat/Grey	Ball Bearing	4-4109-455	4-4108-455	143	91
		180	Performa Flat/Black	Delrin	4-4109-451-2	4-4108-451-2	143	91
		180	Performa Flat/Black	Roller	4-4109-459-2	4-4108-459-2	143	91
		180	Performa Flat/Black	Ball Bearing	4-4109-455-2	4-4108-455-2	143	91
		136	Performa Conductive	Roller	4-4109-459C	4-4108-459C	143	91
		300	Thermo 180°C	Roller	4-4109-839HT	4-4108-839HT	143	91
		295	Nylon HI-TECH	Delrin	4-4109-821	4-4108-821	143	91
		295	Nylon HI-TECH	Roller	4-4109-829	4-4108-829	143	91
		227	Polyolefin	Delrin	4-4109-831	4-4108-831	143	91
		227	Polyolefin	Roller	4-4109-839	4-4108-839	143	91
		360	Maxim	Delrin	4-4109-531	4-4108-531	143	91
		360	Maxim	Roller	4-4109-539	4-4108-539	143	91
		315	Polyurethane on Aluminum	Roller	4-4109-939	4-4108-939	143	91
		360	CG-MAX Orange PU on Aluminum	Prec. Ball	4-4109-9NC	4-4108-9NC	143	91
		360	Phenolic	Roller	4-4109-339	4-4108-339	143	91
		455	Cast Iron	Roller	4-4109-139	4-4108-139	143	91
		455	V-groove Cast Iron	Roller	4-4109-739	4-4108-739	143	91
125	51	340	Polyurethane HI-TECH	Delrin	4-5109-921	4-5108-921	165	108
		340	Polyurethane HI-TECH	Prec.Ball	4-5109-928	4-5108-928	165	108
		227	Performa Flat/Grey	Delrin	4-5109-451	4-5108-451	165	108
		227	Performa Flat/Grey	Roller	4-5109-459	4-5108-459	165	108
		227	Performa Flat/Grey	Ball Bearing	4-5109-455	4-5108-455	165	108
		227	Performa Flat/Black	Delrin	4-5109-451-2	4-5108-451-2	165	108
		227	Performa Flat/Black	Roller	4-5109-459-2	4-5108-459-2	165	108
		227	Performa Flat/Black	Ball Bearing	4-5109-455-2	4-5108-455-2	165	108
		148	Performa Conductive	Roller	4-5109-459C	4-5108-459C	165	108
		360	Thermo 180°C	Roller	4-5109-839HT	4-5108-839HT	165	108
		375	Nylon HI-TECH	Delrin	4-5109-821	4-5108-821	165	108
		375	Nylon HI-TECH	Roller	4-5109-829	4-5108-829	165	108
		295	Polyolefin	Delrin	4-5109-831	4-5108-831	165	108
		295	Polyolefin	Roller	4-5109-839	4-5108-839	165	108
		455	Maxim	Delrin	4-5109-531	4-5108-531	165	108
		455	Maxim	Ball Bearing	4-5109-539	4-5108-539	165	108
		450	Polyurethane on Aluminum	Roller	4-5109-939	4-5108-939	165	108
		454	CG-MAX Orange PU on Aluminum	Prec. Ball	4-5109-9NC	4-5108-9NC	165	108
		450	Phenolic	Roller	4-5109-339	4-5108-339	165	108
		455	Cast Iron	Roller	4-5109-139	4-5108-139	165	108
		540	Forged Steel	Roller	4-5109-239	4-5108-239	165	108
150	51	410	Polyurethane HI-TECH	Delrin	4-6109-921	4-6108-921	191	127
		410	Polyurethane HI-TECH	Prec. Ball	4-6109-928	4-6108-928	191	127
		270	Performa Flat/Grey	Delrin	4-6109-451	4-6108-451	191	127
		270	Performa Flat/Grey	Roller	4-6109-459	4-6108-459	191	127

(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
150	51	270	Performa Flat/Grey	Ball Bearing	4-6109-455	4-6108-455	191	127
		204	Performa Round/Grey	Delrin	4-6109-551	4-6108-551	191	127
		204	Performa Round/Grey	Roller	4-6109-559	4-6108-559	191	127
		270	Performa Flat/Black	Delrin	4-6109-451-2	4-6108-451-2	191	127
		270	Performa Flat/Black	Roller	4-6109-459-2	4-6108-459-2	191	127
		270	Performa Flat/Black	Ball Bearing	4-6109-455-2	4-6108-455-2	191	127
		186	Performa Conductive	Roller	4-6109-459C	4-6108-459C	191	127
		400	Thermo 180°C	Roller	4-6109-839HT	4-6108-839HT	191	127
		410	Nylon HI-TECH	Delrin	4-6109-821	4-6108-821	191	127
		410	Nylon HI-TECH	Roller	4-6109-829	4-6108-829	191	127
		318	Polyolefin	Delrin	4-6109-831	4-6108-831	191	127
		318	Polyolefin	Roller	4-6109-839	4-6108-839	191	127
		500	Maxim	Delrin	4-6109-531	4-6108-531	191	127
		500	Maxim	Roller	4-6109-539	4-6108-539	191	127
		450	Polyurethane on Aluminum	Roller	4-6109-939	4-6108-939	191	127
		560	CG-MAX Orange PU on Aluminum	Prec. Ball	4-6109-9NC	4-6108-9NC	191	127
		450	Phenolic	Roller	4-6109-339	4-6108-339	191	127
		540	Cast Iron	Roller	4-6109-139	4-6108-139	191	127
		560	Forged Steel	Roller	4-6109-239	4-6108-239	191	127
		540	V-groove Cast Iron	Roller	4-6109-739	4-6108-739	191	127
		450	Polyurethane on Cast Iron	Prec.Ball	4-6109-948	4-6108-948	191	127
200	51	450	Polyurethane HI-TECH	Delrin	4-8199-921	4-8198-921	241	165
		450	Polyurethane HI-TECH	Prec. Ball	4-8199-928	4-8198-928	241	165
		306	Performa Flat/Grey	Delrin	4-8199-451	4-8198-451	241	165
		306	Performa Flat/Grey	Roller	4-8199-459	4-8198-459	241	165
		306	Performa Flat/Grey	Ball Bearing	4-8199-455	4-8198-455	241	165
		272	Performa Round/Grey	Delrin	4-8199-551	4-8198-551	241	165
		272	Performa Round/Grey	Roller	4-8199-559	4-8198-559	241	165
		306	Performa Flat/Black	Delrin	4-8199-451-2	4-8198-451-2	241	165
		306	Performa Flat/Black	Roller	4-8199-459-2	4-8198-459-2	241	165
		306	Performa Flat/Black	Ball Bearing	4-8199-455-2	4-8198-455-2	241	165
		227	Performa Conductive	Roller	4-8199-459C	4-8198-459C	241	165
		450	Thermo 180°C	Roller	4-8199-839HT	4-8198-839HT	241	165
		450	Nylon HI-TECH	Delrin	4-8199-821	4-8198-821	241	165
		450	Nylon HI-TECH	Roller	4-8199-829	4-8198-829	241	165
		410	Polyolefin	Delrin	4-8199-831	4-8198-831	241	165
		410	Polyolefin	Roller	4-8199-839	4-8198-839	241	165
		540	Maxim	Delrin	4-8199-531	4-8198-531	241	165
		540	Maxim	Roller	4-8199-539	4-8198-539	241	165
		500	Polyurethane on Aluminum	Roller	4-8199-939	4-8198-939	241	165
		560	CG-MAX Orange PU on Aluminum	Prec. Ball	4-8199-9NC	4-8198-9NC	241	165
		500	Phenolic	Roller	4-8199-339	4-8198-339	241	165
		560	Cast Iron	Roller	4-8199-139	4-8198-139	241	165
		560	V-groove Cast Iron	Roller	4-8199-739	4-8198-739	241	165
		500	Polyurethane on Cast Iron	Prec. Ball	4-8199-948	4-8198-948	241	165

4 Series- Stainless Steel Caster

Features

(Capacity up to 540kg)

★ Polished 304 grade stainless steel finish handles the most punishing, corrosive conditions.

★ Double ball raceways for better performance and greater durability..

★ Equipped with a grease zerk fitting for easy maintenance.

★ Permanent rivet kingpin with 5/8" diameter rivet for swivel ease and stability.

★ All component parts, including spanner bushing axle, nut, are 304 grade stainless steel.





- Brake Selection



Tread Lock (BRK2)



Total Lock (BRK4)

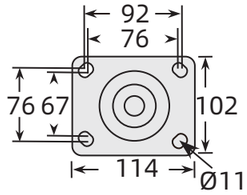


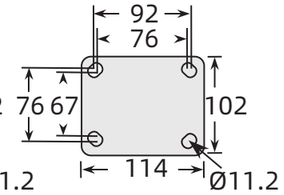
Side Lock (BRK5)



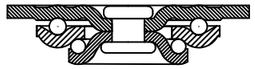
Top Lock (BRK9)

- Standard Dimension





Note: Please specify BRK2/BRK4/BRK5/BRK9 after the swivel caster model when ordering.
Example:4-6409-928BRK4.
Available on all models except high-temperature wheels (Specify BRK2, BRK4).
Not available for ball bearings and delrin bearings (specify BRK5).



Swivel Cross Section
Frame width: 64mm

- Technical Data

(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
100	51	270	Polyurethane HI-TECH	Delrin	4-4409-924	4-4408-924	143	91
		180	Performa Flat/Grey	Delrin	4-4409-454	4-4408-454	143	91
		180	Performa Flat/Black	Delrin	4-4409-454-2	4-4408-454-2	143	91
		136	Performa Conductive	Roller	4-4409-459C	4-4408-459C	143	91
		300	Thermo 230℃	Roller	4-4409-839HT	4-4408-839HT	143	91
		295	Nylon HI-TECH	Delrin	4-4409-824	4-4408-824	143	91
		227	Polyolefin	Delrin	4-4409-834	4-4408-834	143	91
		360	Maxim	Delrin	4-4409-534	4-4408-534	143	91
		270	Polyurethane HI-TECH	Prec. Ball	4-4409-928SS	4-4408-928SS	143	91
125	51	340	Polyurethane HI-TECH	Deirin	4-5409-924	4-5408-924	165	108
		227	Performa Flat/Grey	Delrin	4-5409-454	4-5408-454	165	108
		227	Performa Flat/Black	Delrin	4-5409-454-2	4-5408-454-2	165	108
		148	Performa Conductive	Roller	4-5409-459C	4-5408-459C	165	108
		360	Thermo 180℃	Roller	4-5409-839HT	4-5408-839HT	165	108
		375	Nylon HI-TECH	Delrin	4-5409-824	4-5408-824	165	108
		295	Polyolefin	Delrin	4-5409-834	4-5408-834	165	108
		455	Maxim	Delrin	4-5409-534	4-5408-534	165	108
		340	Polyurethane HI-TECH	Prec.Ball	4-5409-928SS	4-5408-928SS	165	108
150	51	410	Polyurethane HI-TECH	Delrin	4-6409-924	4-6408-924	191	127
		270	Performa Flat/Grey	Delrin	4-6409-454	4-6408-454	191	127
		204	Performa Round/Grey	Delrin	4-6409-554	4-6408-554	191	127
		270	Performa Flat/Black	Delrin	4-6409-454-2	4-6408-454-2	191	127
		186	Performa Conductive	Roller	4-6409-459C	4-6408-459C	191	127
		400	Thermo 180℃	Roller	4-6409-839HT	4-6408-839HT	191	127
		410	Nylon HI-TECH	Delrin	4-6409-824	4-6408-824	191	127
		318	Polyolefin	Delrin	4-6409-834	4-6408-834	191	127
		500	Maxim	Delrin	4-6409-534	4-6408-534	191	127
		410	Polyurethane HI-TECH	Prec. Ball	4-6409-928SS	4-6408-928SS	191	127
200	51	450	Polyurethane HI-TECH	Delrin	4-8499-924	4-8498-924	241	165
		306	Performa Flat/Grey	Delrin	4-8499-454	4-8498-454	241	165
		272	Performa Round/Grey	Delrin	4-8499-554	4-8498-554	241	165
		306	Performa Flat/Black	Delrin	4-8499-454-2	4-8498-454-2	241	165
		227	Performa Conductive	Roller	4-8499-459C	4-8498-459C	241	165
		450	Thermo 180℃	Roller	4-8499-839HT	4-8498-839HT	241	165
		450	Nylon HI-TECH	Delrin	4-8499-824	4-8498-824	241	165
		410	Polyolefin	Delrin	4-8499-834	4-8498-834	241	165
		540	Maxim	Delrin	4-8499-534	4-8498-534	241	165
		450	Polyurethane HI-TECH	Prec. Ball	4-8499-928SS	4-8498-928SS	241	165

4 Series enforcer

Features (Capacity up to 560kg)

★ Full single ball raceway hardened with heat treat process for better performance and greater durability.

★ Perfect for applications with high impact, shock loading and rough.

★ Zinc-plated finish with RoHS compliance.

★ Grease fittings in wheel bearing and swivel raceway for easy maintenance.

★ Notches in the raceway allows for easy installation of swivel locks.





- Brake Selection



Tread Lock (BRK1)



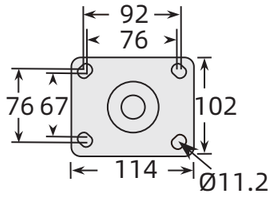
Side Lock (BRK3)

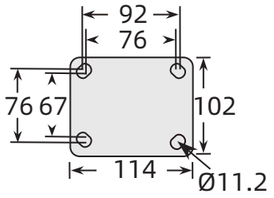


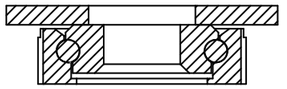
Directional Lock (DL-51)

Note: Please specify BRK1/BRK3/DL-51 after the swivel caster model when ordering.
Example:4-6189-928BRK1.
Available on all models except high-temperature wheels (Specify BRK1).
Not available for ball bearings and delrin bearings (specify BRK3).

- Standard Dimension







Swivel Cross Section
Frame width: 64mm

(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
100	51	270	Polyurethane HI-TECH	Prec. Ball	4-4189-928	4-4108-928	143	91
		180	Performa Flat/Grey	Roller	4-4189-459	4-4108-459	143	91
		180	Performa Flat/Grey	Ball Bearing	4-4189-455	4-4108-455	143	91
		180	Performa Flat/Black	Roller	4-4189-459-2	4-4108-459-2	143	91
		180	Performa Flat/Black	Ball Bearing	4-4189-455-2	4-4108-455-2	143	91
		300	Thermo 180℃	Roller	4-4189-839HT	4-4108-839HT	143	91
		295	Nylon HI-TECH	Roller	4-4189-829	4-4108-829	143	91
		227	Polyolefin	Roller	4-4189-839	4-4108-839	143	91
		360	Maxim	Roller	4-4189-539	4-4108-539	143	91
		315	Polyurethane on Aluminum	Roller	4-4189-939	4-4108-939	143	91
		360	CG-MAX Orange PU on Aluminum	Prec.Ball	4-4189-9NC	4-4108-9NC	143	91
		360	Phenolic	Roller	4-4189-339	4-4108-339	143	91
		455	Cast Iron	Roller	4-4189-139	4-4108-139	143	91
		455	V-groove Cast Iron	Roller	4-4189-739	4-4108-739	143	91
125	51	340	Polyurethane HI-TECH	Prec.Ball	4-5189-928	4-5108-928	165	98
		227	Performa Flat/Grey	Roller	4-5189-459	4-5108-459	165	98
		227	Performa Flat/Grey	Ball Bearing	4-5189-455	4-5108-455	165	98
		227	Performa Flat/Black	Roller	4-5189-459-2	4-5108-459-2	165	98
		227	Performa Flat/Black	Ball Bearing	4-5189-455-2	4-5108-455-2	165	98
		360	Thermo 180℃	Roller	4-5189-839HT	4-5108-839HT	165	98
		375	Nylon HI-TECH	Roller	4-5189-829	4-5108-829	165	98
		295	Polyolefin	Roller	4-5189-839	4-5108-839	165	98
		455	Maxim	Roller	4-5189-539	4-5108-539	165	98
		450	Polyurethane on Aluminum	Roller	4-5189-939	4-5108-939	165	98
		454	CG-MAX Orange PU on Aluminum	Prec. Ball	4-5189-9NC	4-5108-9NC	165	98
		450	Phenolic	Roller	4-5189-339	4-5108-339	165	98
		455	Cast Iron	Roller	4-5189-139	4-5108-139	165	98
		540	Forged Steel	Roller	4-5189-239	4-5108-239	165	98

(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
150	51	410	Polyurethane HI-TECH	Prec. Ball	4-6189-928	4-6108-928	191	117
		270	Performa Flat/Grey	Roller	4-6189-459	4-6108-459	191	117
		270	Performa Flat/Grey	Ball Bearing	4-6189-455	4-6108-455	191	117
		204	Performa Round/Grey	Roller	4-6189-559	4-6108-559	191	117
		270	Performa Flat/Black	Roller	4-6189-459-2	4-6108-459-2	191	117
		270	Performa Flat/Black	Ball Bearing	4-6189-455-2	4-6108-455-2	191	117
		400	Thermo 180℃	Roller	4-6189-839HT	4-6108-839HT	191	117
		410	Nylon HI-TECH	Roller	4-6189-829	4-6108-829	191	117
		318	Polyolefin	Roller	4-6189-839	4-6108-839	191	117
		500	Maxim	Roller	4-6189-539	4-6108-539	191	117
		450	Polyurethane on Aluminum	Roller	4-6189-939	4-6108-939	191	117
		568	CG-MAX Orange PU on Aluminum	Prec.Ball	4-6189-9NC	4-6108-9NC	191	117
		450	Phenolic	Roller	4-6189-339	4-6108-339	191	117
		540	Cast Iron	Roller	4-6189-139	4-6108-139	191	117
		560	Forged Steel	Roller	4-6189-239	4-6108-239	191	117
		540	V-groove Cast Iron	Roller	4-6189-739	4-6108-739	191	117
		450	Polyurethane on Cast Iron	Prec. Ball	4-6189-948	4-6108-948	191	117
200	51	450	Polyurethane HI-TECH	Prec.Ball	4-8189-928	4-8198-928	241	155
		306	Performa Flat/Grey	Roller	4-8189-459	4-8198-459	241	155
		306	Performa Flat/Grey	Ball Bearing	4-8189-455	4-8198-455	241	155
		272	Performa Round/Grey	Roller	4-8189-559	4-8198-559	241	155
		306	Performa Flat/Black	Roller	4-8189-459-2	4-8198-459-2	241	155
		306	Performa Flat/Black	Ball Bearing	4-8189-455-2	4-8198-455-2	241	155
		450	Thermo 180℃	Roller	4-8189-839HT	4-8198-839HT	241	155
		450	Nylon HI-TECH	Roller	4-8189-829	4-8198-829	241	155
		410	Polyolefin	Roller	4-8189-839	4-8198-839	241	155
		540	Maxim	Roller	4-8189-539	4-8198-539	241	155
		500	Polyurethane on Aluminum	Roller	4-8189-939	4-8198-939	241	155
		680	CG-MAX Orange PU on Aluminum	Prec. Ball	4-8189-9NC	4-8198-9NC	241	155
		500	Phenolic	Roller	4-8189-339	4-8198-339	241	155
		560	Cast Iron	Roller	4-8189-139	4-8198-139	241	155
		560	V-groove Cast Iron	Roller	4-8189-739	4-8198-739	241	155
		500	Polyurethane on Cast Iron	Prec. Ball	4-8189-948	4-8198-948	241	155

6 Series

Features

(Capacity up to 680kg)

★ Full double ball raceway hardened with heat treat process for better performance and greater durability.

★ Heat treated bolt and nut kingpin with 19mm diameter bolt for strong construction in raceway.

★ Zinc-plated finish with RoHS compliance.

★ Grease fittings in wheel bearing and swivel raceway for easy maintenance





- Brake Selection



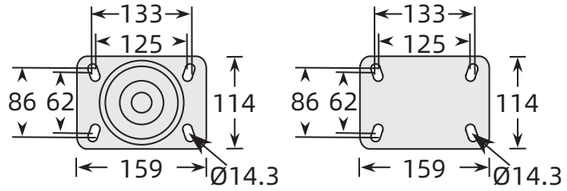
Tread Lock (BRK1)

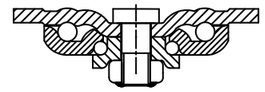


Side Lock (BRK3)

Note: Please specify BRK1/BRK3 after the swivel caster model when ordering.
Example:4-6289-939BRK1.
Available on all models except high-temperature wheels (Specify BRK1).
Not available for ball bearings and delrin bearings (specify BRK3).

- Standard Dimension





Swivel Cross Section
Frame width: 64mm

- Technical Data

(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
150	51	410	Polyurethane HI-TECH	Prec. Ball	6-6209-928	6-6208-928	191	122
		270	Performa Flat/Grey	Roller	6-6209-459	6-6208-459	191	122
		270	Performa Flat/Grey	Ball Bearing	6-6209-455	6-6208-455	191	122
		204	Performa Round/Grey	Roller	6-6209-559	6-6208-559	191	122
		270	Performa Flat/Black	Roller	6-6209-459-2	6-6208-459-2	191	122
		270	Performa Flat/Black	Ball Bearing	6-6209-455-2	6-6208-455-2	191	122
		400	Thermo 180℃	Roller	6-6209-839HT	6-6208-839HT	191	122
		410	Nylon HI-TECH	Roller	6-6209-829	6-6208-829	191	122
		318	Polyolefin	Roller	6-6209-839	6-6208-839	191	122
		500	Maxim	Roller	6-6209-539	6-6208-539	191	122
		450	Polyurethane on Aluminum	Roller	6-6209-939	6-6208-939	191	122
		568	CG-MAX Orange PU on Aluminum	Prec.Ball	6-6209-9NC	6-6208-9NC	191	122
		450	Phenolic	Roller	6-6209-339	6-6208-339	191	122
		650	Cast Iron	Roller	6-6209-139	6-6208-139	191	122
		680	Forged Steel	Roller	6-6209-239	6-6208-239	191	122
		650	V-groove Cast Iron	Roller	6-6209-739	6-6208-739	191	122
		450	Polyurethane on Cast Iron	Prec. Ball	6-6209-948	6-6208-948	191	122
200	51	450	Polyurethane HI-TECH	Prec.Ball	6-8299-928	6-8298-928	241	159
		306	Performa Flat/Grey	Roller	6-8299-459	6-8298-459	241	159
		306	Performa Flat/Grey	Ball Bearing	6-8299-455	6-8298-455	241	159
		272	Performa Round/Grey	Roller	6-8299-559	6-8298-559	241	159
		306	Performa Flat/Black	Roller	6-8299-459-2	6-8298-459-2	241	159
		306	Performa Flat/Black	Ball Bearing	6-8299-455-2	6-8298-455-2	241	159
		450	Thermo 180℃	Roller	6-8299-839HT	6-8298-839HT	241	159
		450	Nylon HI-TECH	Roller	6-8299-829	6-8298-829	241	159
		410	Polyolefin	Roller	6-8299-839	6-8298-839	241	159
		600	Maxim	Roller	6-8299-539	6-8298-539	241	159
		500	Polyurethane on Aluminum	Roller	6-8299-939	6-8298-939	241	159
		680	CG-MAX Orange PU on Aluminum	Prec. Ball	6-8299-9NC	6-8298-9NC	241	159
		500	Phenolic	Roller	6-8299-339	6-8298-339	241	159
		680	Cast Iron	Roller	6-8299-139	6-8298-139	241	159
		680	V-groove Cast Iron	Roller	6-8299-739	6-8298-739	241	159
		500	Polyurethane on Cast Iron	Prec. Ball	6-8299-948	6-8298-948	241	159

6 Series enforcer

Features (Capacity up to 680kg)

★ Full single ball raceway hardened with heat treat process for better performance and greater durability.

★ Perfect for applications with high impact, shock loading and rough.

★ Zinc-plated finish with RoHS compliance.

★ Grease fittings in wheel bearing and swivel raceway for easy maintenance.

★ Notches in the raceway allows for easy installation of swivel locks.



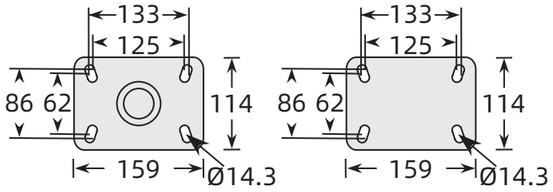
- Brake Selection

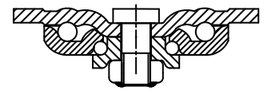


Tread Lock (BRK1) Side Lock (BRK3) Directional Lock(DL-51)

Note: Please specify BRK1/BRK3/DL-51 after the swivel caster model when ordering.
Example:4-6289-939BRK1.
Available on all models except high-temperature wheels (Specify BRK1).
Not available for ball bearings and delrin bearings (specify BRK3).

- Standard Dimension





Swivel Cross Section
Frame width: 64mm

- Technical Data

(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
150	51	410	Polyurethane HI-TECH	Prec. Ball	6-6289-928	6-6278-928	191	119
		270	Performa Flat/Grey	Roller	6-6289-459	6-6278-459	191	119
		270	Performa Flat/Grey	Ball Bearing	6-6289-455	6-6278-455	191	119
		204	Performa Round/Grey	Roller	6-6289-559	6-6278-559	191	119
		270	Performa Flat/Black	Roller	6-6289-459-2	6-6278-459-2	191	119
		270	Performa Flat/Black	Ball Bearing	6-6289-455-2	6-6278-455-2	191	119
		400	Thermo 180℃	Roller	6-6289-839HT	6-6278-839HT	191	119
		410	Nylon HI-TECH	Roller	6-6289-829	6-6278-829	191	119
		318	Polyolefin	Roller	6-6289-839	6-6278-839	191	119
		500	Maxim	Roller	6-6289-539	6-6278-539	191	119
		450	Polyurethane on Aluminum	Roller	6-6289-939	6-6278-939	191	119
		568	CG-MAX Orange PU on Aluminum	Prec.Ball	6-6289-9NC	6-6278-9NC	191	119
		450	Phenolic	Roller	6-6289-339	6-6278-339	191	119
		650	Cast Iron	Roller	6-6289-139	6-6278-139	191	119
		680	Forged Steel	Roller	6-6289-239	6-6278-239	191	119
		650	V-groove Cast Iron	Roller	6-6289-739	6-6278-739	191	119
		450	Polyurethane on Cast Iron	Prec. Ball	6-6289-948	6-6278-948	191	119
200	51	450	Polyurethane HI-TECH	Prec.Ball	6-8289-928	6-8278-928	257	165
		306	Performa Flat/Grey	Roller	6-8289-459	6-8278-459	257	165
		306	Performa Flat/Grey	Ball Bearing	6-8289-455	6-8278-455	257	165
		272	Performa Round/Grey	Roller	6-8289-559	6-8278-559	257	165
		306	Performa Flat/Black	Roller	6-8289-459-2	6-8278-459-2	257	165
		306	Performa Flat/Black	Ball Bearing	6-8289-455-2	6-8278-455-2	257	165
		450	Thermo 180℃	Roller	6-8289-839HT	6-8278-839HT	257	165
		450	Nylon HI-TECH	Roller	6-8289-829	6-8278-829	257	165
		410	Polyolefin	Roller	6-8289-839	6-8278-839	257	165
		600	Maxim	Roller	6-8289-539	6-8278-539	257	165
		500	Polyurethane on Aluminum	Roller	6-8289-939	6-8278-939	257	165
		680	CG-MAX Orange PU on Aluminum	Prec. Ball	6-8289-9NC	6-8278-9NC	257	165
		500	Phenolic	Roller	6-8289-339	6-8278-339	257	165
		680	Cast Iron	Roller	6-8289-139	6-8278-139	257	165
		680	V-groove Cast Iron	Roller	6-8289-739	6-8278-739	257	165
		500	Polyurethane on Cast Iron	Prec. Ball	6-8289-948	6-8278-948	257	165

6 Series-Sping Loaded

Features

(Capacity up to 500kg)

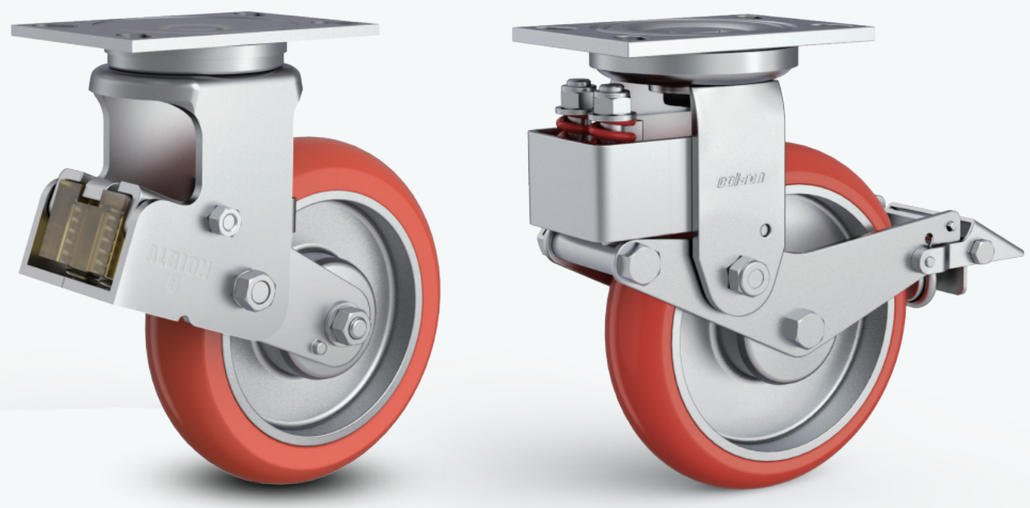
★ Rigs: Made from 6mm thick steel using an integrated stamping process, resulting in greater strength compared to welding and better aesthetics.

★ Uses large diameter steel balls with added heat treatment process, resulting in smoother and more effortless rotation.

★ Utilizes a combination of dual longitudinal springs and PU, providing better shock absorption and preventing vehicle resonance.

★ Made of high-elasticity polyurethane bonded to a high-strength cast iron wheel core.

★ Brake selection:Tread brake.

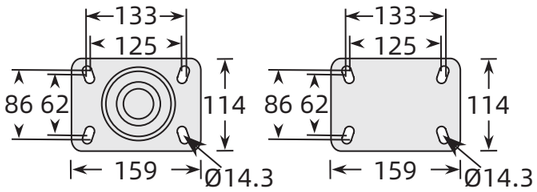


- Brake Selection



Note: Please specify BRK1 after the swivel caster when ordering.
Example:SC-6509-948BRK1.

- Standard Dimension



- European Style Technical Data

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
150	50	450	PU on Cast Iron	Prec. Ball	SC-6509-948	SC-6508-948	203	125
200	50	500	PU on Cast Iron	Prec. Ball	SC-8509-948	SC-8508-948	265	174

- American Style Technical Data

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
150	50	450	PU on Cast Iron	Prec. Ball	SB-6509-948	SB-6508-948	212	122
200	50	500	PU on Cast Iron	Prec. Ball	SB-8509-948	SB-8508-948	262	122

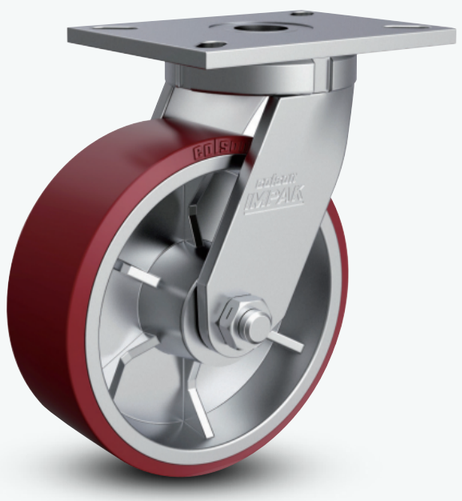
Note: When used continuously over 45 minutes, load capacity decreases by 25%.The speed will be between 6 - 10 kilometers per hour.
If the load capacity decreases by 20%, the speed will be between 10 - 16 kilometers per hour.
If the load capacity decreases by 30%, the speed will be between 16- 24 kilometers per hour.

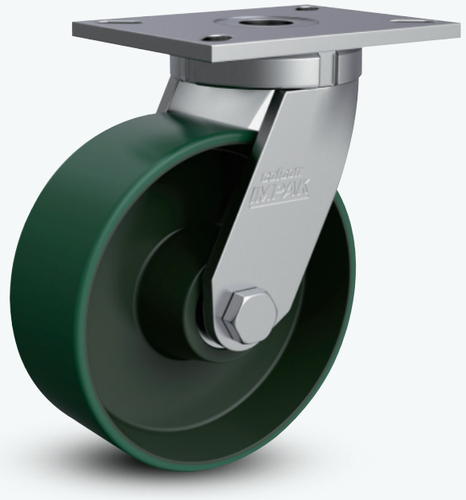
7 Series-Kingpinless

Features

(Capacity up to 2025kg)

- ★ Full single ball raceway hardened with heat treat process for better performance and greater durability.
- ★ Perfect for applications with high impact, shock loading and rough.
- ★ Zinc-plated finish with RoHS compliance.
- ★ Grease fittings in wheel bearing and swivel raceway for easy maintenance.
- ★ Notches in the raceway allows for easy installation of swivel locks.





- Brake Selection

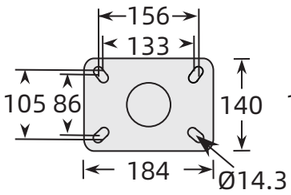


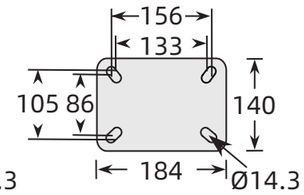
Tread Lock (BRK1)

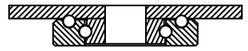


Directional Lock (DL-52)

- Standard Dimension







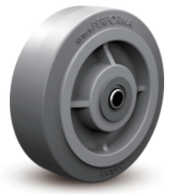
Swivel Cross Section
Frame width: 89mm

- Technical Data

(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
150	64	1800	Forged Steel	Roller	7-6679-269	7-6678-269	191	121
200	76	2025			7-8679-279	7-8678-279	257	162
250	76	2025			7-10679-279	7-10678-279	292	192
150	76	900	PU on Aluminum	Roller	7-6679-979	7-6678-979	191	121
200	76	1125			7-8679-979	7-8678-979	257	162
250	64	1035			7-10679-959	7-10678-959	292	192
250	76	1350			7-10679-979	7-10678-979	292	192
300	76	1575			7-12679-979	7-12678-979	343	230
150	76	900	PU on Cast Iron	Prec. Ball	7-6679-985	7-6678-985	191	121
200		1125			7-8679-985	7-8678-985	257	162
250		1350			7-10679-985	7-10678-985	292	192
300		1575			7-12679-985	7-12678-985	343	230

- Wheel Selection



Colson 4&6 Series Performa Wheel Flat(-2)



Colson 4&6 Series Performa Wheel Flat(-2)

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
100	51	180	Delrin	5-4-451
			Roller	5-4-459
			Ball Bearing	5-4-455
			Delrin	5-4-451-2
			Roller	5-4-459-2
			Ball Bearing	5-4-455-2
125		227	Delrin	5-5-451
			Roller	5-5-459
			Ball Bearing	5-5-455
			Delrin	5-5-451-2
			Roller	5-5-459-2
			Ball Bearing	5-5-455-2
150		270	Delrin	5-6-451
			Roller	5-6-459
			Ball Bearing	5-6-455
			Delrin	5-6-451-2
			Roller	5-6-459-2
			Ball Bearing	5-6-455-2
200		306	Delrin	5-8-451
			Roller	5-8-459
			Ball Bearing	5-8-455
			Delrin	5-8-451-2
			Roller	5-8-459-2
			Ball Bearing	5-8-455-2



Colson 4&6 Series Polyolefin Wheel

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
100	51	227	Delrin	5-4-831
			Roller	5-4-839
			Ball Bearing	5-4-835
125		295	Delrin	5-5-831
			Roller	5-5-839
			Ball Bearing	5-5-835
150		318	Delrin	5-6-831
			Roller	5-6-839
			Ball Bearing	5-6-835
200		410	Delrin	5-8-831
			Roller	5-8-839
			Ball Bearing	5-8-835

- Wheel Selection



Colson 4&6 Series Maxim Wheels

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
100	51	360	Delrin	5-4-531
			Roller	5-4-539
125		455	Delrin	5-5-531
			Roller	5-5-539
150		500	Delrin	5-6-531
			Roller	5-6-539
200		540	Delrin	5-8-531
			Roller	5-8-539



Colson 4&6 Series Thermo Wheels

Wheel Dia.	Tread Width	Load Capacity	Bearing	(℃)	Wheel Code
100	51	300	Roller	180℃	5-4-839HT
125		360		180℃	5-5-839HT
150		400		180℃	5-6-839HT
200		450		180℃	5-8-839HT



Colson 4&6 Series
CG-MAX Orange PU on Aluminum

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
100	51	360	Ball Bearing	5-4-9NC
125		454		5-5-9NC
150		568		5-6-9NC
200		680		5-8-9NC



Colson 4&6 Series
Performa Wheel Round

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
150	51	204	Delrin	5-6-551
			Roller	5-6-559
			Ball Bearing	5-6-555
200		272	Delrin	5-8-551
			Roller	5-8-559
			Ball Bearing	5-8-555



Colson 4&6 Series Conductive Wheels

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
100	51	136	Roller	5-4-459C
125		148		5-5-459C
150		186		5-6-459C
200		227		5-8-459C

- Wheel Selection



Colson 4&6 Series
Polyurethane on Cast Iron Wheels

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
150	50	450	Prec. Ball	5-6-948
200		500		5-8-948



Colson 4&6 Series Hi-Tech Polyurethane Wheels

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
100	51	270	Delrin	5-4-921
			Prec. Ball	5-4-928
125		340	Delrin	5-5-921
			Prec. Ball	5-5-928
150		410	Delrin	5-6-921
			Prec. Ball	5-6-928
200		450	Delrin	5-8-921
			Prec. Ball	5-8-928



Colson 4&6 Series V-Groove Cast Iron Wheels

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
100	51	455	Roller	5-4-739
150		540		5-6-739
200		560		5-8-739



Colson 4&6 Series
Polyurethane on Aluminum Wheels

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
100	51	315	Roller	5-4-939
125		450		5-5-939
150		450		5-6-939
200		500		5-8-939



Colson 4&6 Series Cast Iron Wheels

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
100	51	455	Roller	5-4-139
125		455		5-5-139
150		540		5-6-139
200		560		5-8-139

- Wheel Selection



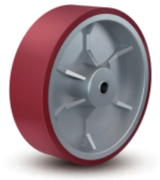
Colson 4&6 Series Hi-tech Nylon Wheels

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
100	51	270	Delrin	5-4-821
			Roller	5-4-829
			Ball Bearing	5-4-825
125		340	Delrin	5-5-821
			Roller	5-5-829
			Ball Bearing	5-5-825
150		410	Delrin	5-6-821
			Roller	5-6-829
			Ball Bearing	5-6-825
200		450	Delrin	5-8-821
			Roller	5-8-829
			Ball Bearing	5-8-825



Colson 4&6&7 Series Forged Steel Wheels

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
125	51	540	Roller	5-5-239
150		560		5-6-239
150	64	1800		7-6-269
200	76	2025		7-8-279
250		2025		7-10-279



Colson 7 Series
Polyurethane on Aluminum Wheels

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
150	76	900	Roller	7-6-979
200		1125		7-8-979
250		1350		7-10-979
250	64	1035		7-10-959
300	76	1575		7-12-979



Colson 7 Series
Polyurethane on Cast Iron Wheels

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
150	76	900	Prec. Ball	7-6-985
200		1125		7-8-985
250		1350		7-10-985
300		1575		7-12-985

Veloris Series-Light Duty

Features

(Capacity up to 180kg)

★ Durable and cost-effective.

★ Double ball swivel raceways for better performance and greater strength.

★ Reliable integrated braking system.

★ Zinc plated finish.

★ Twin thread guards provide outstanding safety and reliability.

★ Applications include moving dollies, medium duty material handling carts, stock carts and more.



- Brake Selection

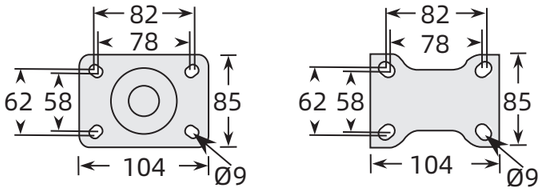


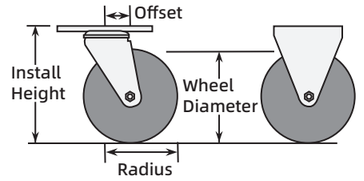
Total Lock
Easy to operate and durable braking system.



Note: Please specify Q after the swivel caster when ordering.
Example:Z801-80-311Q.

- Standard Dimension





- Top Plate

	Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
	80	32	80	Hi-Tech Performa	Single Ball Bearing	Z801-80-311	Z802-80-311	105	74
	100	32	150			Z801-100-311	Z802-100-311	128	84
	125	40	180			Z801-125-311	Z802-125-311	156	101
	80	35	150	Hi-Tech Polyurethane	Single Ball Bearing	Z811-80-151	Z802-80-151	105	74
	100	35	150			Z811-100-151	Z802-100-151	128	84
	125	35	180			Z811-125-151	Z802-125-151	156	101
	80	35	150	White Nylon	Single Ball Bearing	Z801-80-501	Z802-80-501	105	74
	100	35	150			Z801-100-501	Z802-100-501	128	84
	125	35	180			Z801-125-501	Z802-125-501	156	101
	80	32	90	Elastic Rubber	Single Ball Bearing	Z801-80-441	Z802-80-441	105	74
	100	32	140			Z801-100-441	Z802-100-441	128	84
	125	40	180			Z801-125-441	Z802-125-441	156	101

Note: Please specify Q after the swivel caster when ordering.
Example:Z801-80-311Q.

- Bolt Hole Caster

(mm)

	Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius	Stem Type
	80	32	80	Hi-Tech Performa	Single Ball Bearing	Z804-80-311	105	74	M12
	100	32	150			Z804-100-311	128	84	M12
	125	40	180			Z804-125-311	156	101	M12
	80	35	150	Hi-Tech Polyurethane	Single Ball Bearing	Z804-80-151	105	74	M12
	100	35	150			Z804-100-151	128	84	M12
	125	35	180			Z804-125-151	156	101	M12
	80	35	150	White Nylon	Single Ball Bearing	Z804-80-501	105	74	M12
	100	35	150			Z804-100-501	128	84	M12
	125	35	180			Z804-125-501	156	101	M12
	80	32	90	Elastic Rubber	Single Ball Bearing	Z804-80-441	105	74	M12
	100	32	140			Z804-100-441	128	84	M12
	125	40	180			Z804-125-441	156	101	M12

Note: Please specify Q after the swivel caster when ordering.
Example:Z804-80-311Q.

RoHS Compliant · NSF COMPONENT · REACH

Consult factory for RoHS, NSF, REACHrequirements on a part specific basis.

WHERE ECONOMY MEETS QUALITY

European Series (Veloris Series)

TOP PLATE CASTER & BOLT HOLE CASTOR



Ergonomic
Threaded axles allow for effortless wheel change.

Painted surface
Zinc plated finish.

Double ball swivel raceways
Ensuring particularly high stability.

Low vibration transport
With good shock-absorbing properties.

Quiet rolling
Wheel types for a quiet working environment.

Low maintenance
Twin thread guards provide outstanding safety and reliability.

Protected seal
wheels with sealed bearings to protect against water spray and dirt.

Load capacity

The load capacity depends on the housing and wheels.

Each has been tested and fulfillsthe requirements

according to **EN 12532.**

Veloris Series-Medium Duty

Features

(Capacity up to 400kg)

★ Durable and cost-effective.

★ Double ball swivel raceways for better performance and greater strength.

★ Reliable integrated braking system.

★ Zinc plated finish.

★ Twin thread guards provide outstanding safety and reliability.

★ Applications include moving dollies, medium duty material handling carts, stock carts and more.



- Brake Selection

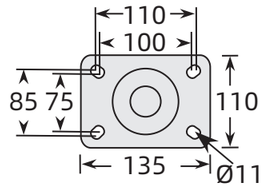


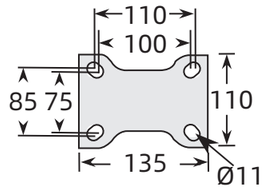
Total Lock
Easy to operate and durable braking system.

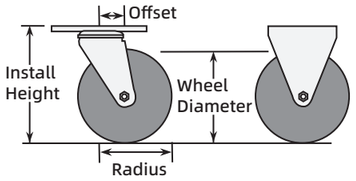


Note: Please specify Q after the swivel caster when ordering.
Example:Z811-160-302Q.

- Standard Dimension







- Top Plate



(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
160	50	225	Hi-Tech Performa TPR	Double Ball Bearing	Z811-160-302	Z812-160-302	195	133
200	50	280			Z811-200-302	Z812-200-302	235	153
160	50	225	Hi-Tech Polyurethane	Double Ball Bearing	Z811-160-152	Z812-160-152	195	133
200	50	280			Z811-200-152	Z812-200-152	235	153
160	48	400	White Nylon	Double Ball Bearing	Z811-160-503	Z812-160-503	195	133
200	50	400			Z811-200-503	Z812-200-503	235	153
160	50	400	Polyurethane on Aluminium	Double Ball Bearing	Z811-160-162	Z812-160-162	195	133
200	50	400			Z811-200-162	Z812-200-162	235	153

- Bolt Hole



(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius	Stem Type
160	50	225	Hi-Tech Performa TPR	Double Ball Bearing	Z814-160-302	195	133	M12
200	50	280			Z814-200-302	235	153	M12
160	50	225	Hi-Tech Polyurethane	Double Ball Bearing	Z814-160-152	195	133	M12
200	50	280			Z814-200-152	235	153	M12
160	48	400	White Nylon	Double Ball Bearing	Z814-160-503	195	133	M12
200	50	400			Z814-200-503	235	153	M12
160	50	400	Polyurethane on Aluminium	Double Ball Bearing	Z814-160-162	195	133	M12
200	50	400			Z814-200-162	235	153	M12

Note: Please specify Q after the swivel caster when ordering.
Example:Z811-160-302Q.

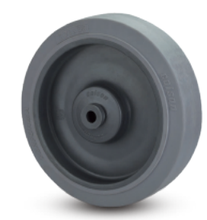
www.colsonchina.com

- Wheel Selection



Hi-Tech Performa

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
80	32	80	Single Ball Bearing	71-778
100	32	150		71-779
125	40	180		713-445



Hi-Tech Performa

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
160	50	225	Double Ball Bearing	713-446
200	50	280		713-447



Hi-Tech Polyurethane

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
80	35	150	Single Ball Bearing	711-613
100	35	230		711-614
125	35	300		711-615



Hi-Tech Polyurethane

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
160	50	300	Double Ball Bearing	711-456
200	50	350		711-457



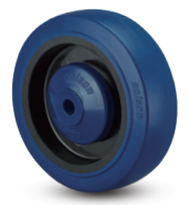
White Nylon

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
80	35	150	Single Ball Bearing	712--603
100	35	230		712-604
125	35	250		712-605



White Nylon

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
160	48	400	Double Ball Bearing	712-446
200	50	400		712-447



Blue Elastic Rubber

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
80	32	90	Single Ball Bearing	714-004
100	32	140		714-005
125	40	180		714-006



Polyurethane on Aluminium

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
160	50	550	Double Ball Bearing	71-906
200	50	700		71-908

Elite Series-Medium Duty

Features

(Capacity up to 300kg)

★ Durable and cost-effective.

★ Double ball swivel raceways for better performance and greater strength.

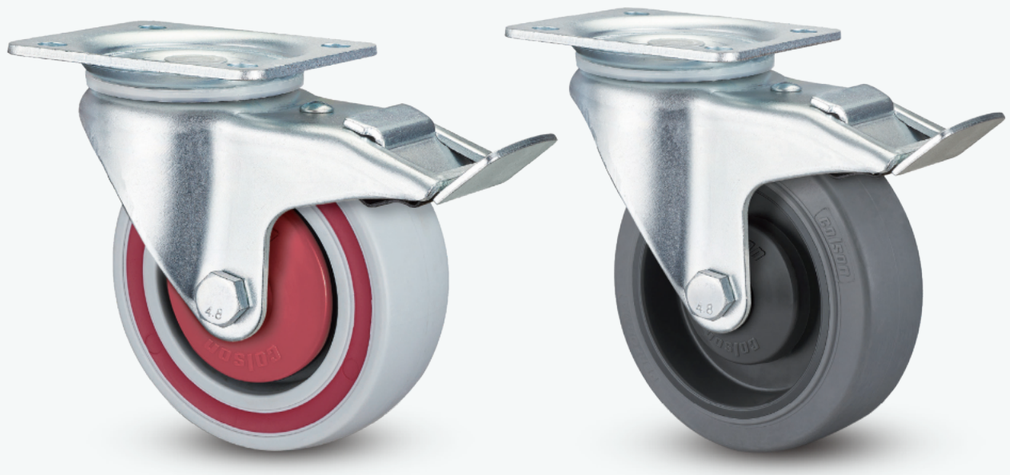
★ Reliable integrated braking system.

★ Zinc plated finish.

★ Twin thread guards (except nylon) provide outstanding safety and reliability.

★ Applications include moving dollies, medium duty material handling carts stock carts and more.

★ Thickened frame design enhances overall structural strength and load-bearing capacity.



- Brake Selection

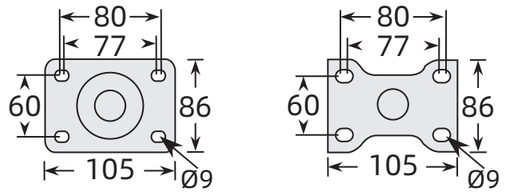


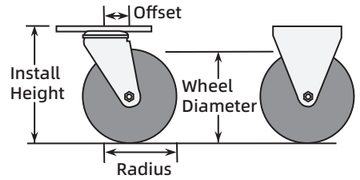
Total Lock
Easy to operate and durable braking system.



Note: Please specify Q after the swivel caster when ordering.
Example:Z511-100-441Q.

- Standard Dimension





- Standard Dimension

(mm)

	Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
	100	32	170	Elastic Rubber	Single Ball Bearing	Z511-100-441	Z512-100-441	128	78
	125	40	200			Z511-125-441	Z512-125-441	156	90
	100	35	230	White Nylon	Single Ball Bearing	Z511-100-501	Z512-100-501	128	78
	125	35	250			Z511-125-501	Z512-125-501	156	90
	100	35	230	Hi-Tech Polyurethane	Single Ball Bearing	Z511-100-101	Z512-100-101	128	78
	125	35	300			Z511-125-101	Z512-125-101	156	90
	100	35	200	Sandwich	Single Ball Bearing	Z511-100-211	Z512-100-211	128	78
	125	35	250			Z511-125-211	Z512-100-211	156	90
	100	32	120	Hi-Tech Performa	Single Ball Bearing	Z511-100-311	Z512-100-311	128	78
	125	40	180			Z511-125-311	Z512-100-311	156	90

Note: Please specify Q after the swivel caster when ordering.
Example:Z511-100-441Q.

- Wheel Selection



Elastic Rubber

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
100	32	170	Single Ball Bearing	714-001
125	40	200		714-002



White Nylon

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
100	35	230	Single Ball Bearing	71-009
125	35	250		71-010



Hi-Tech Polyurethane

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
100	35	230	Single Ball Bearing	71-770-01
125	35	300		71-771-01



Sandwich

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
100	35	200	Single Ball Bearing	712-564
125	35	250		712-530



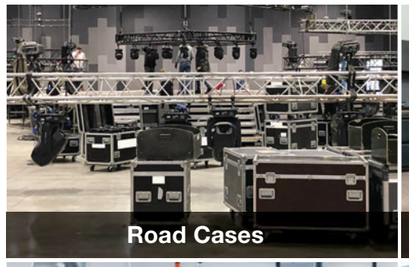
Hi-Tech Performa

Wheel Dia.	Tread Width	Load Capacity	Bearing	Wheel Code
100	32	120	Single Ball Bearing	713-444-1
125	40	180		713-445-1

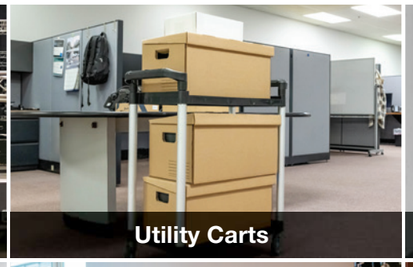


APPLICATIONS

VERSATILE. RELIABLE. AFFORDABLE.



Road Cases



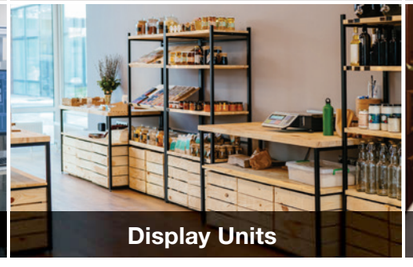
Utility Carts



Dollies



Sensitive Equipment



Display Units



Food Service Carts

BMC Series

Features

(Capacity up to 800kg)

★ Raceway is treated with carburizing heat treatment to increase hardness, extend better performance, and greater strength.

★ Available with eco-friendly zinc plating or electrophoretic coating.

★ Ultra-strong glass filled nylon wheels offers excellent impact resistance and minimal deformation under long-term static load.

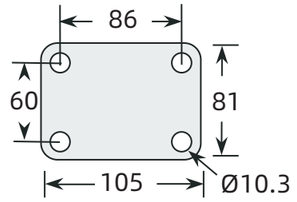
★ Applications: suitable for commercial cabinets, computer server racks, medical equipment workstations, and similar uses.

RoHS Compliant ENVIRONMENTALLY FRIENDLY

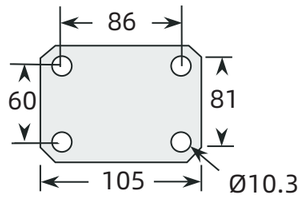




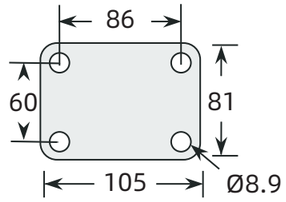
- Standard Dimension



S4-3312-351X



S4-3312-351



S4-3307-351

- Technical Data

(mm)







Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
75	46	800	Nylon	Roller	S4-3312-351X	S4-3308-351RX	105	60
75	46	540	Glass Filled Nylon	Roller	S4-3312-351	S4-3308-351R	105	60
75	46	310	Glass Filled Nylon	Roller	S4-3307-351	S4-3308-351	103	63

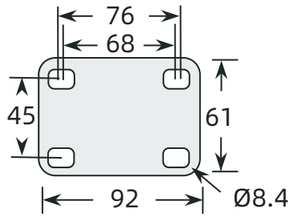
- Brake Selection



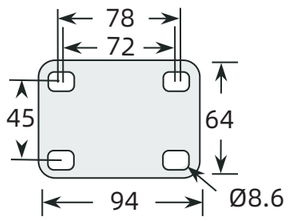
BRK3	
S4-2205	✕
S4-3305	✕
S4-3307	✓
S4-3312	✓

Note: Please specify BRK3 after the swivel caster when ordering.
Example: S4-3307-351BRK3.

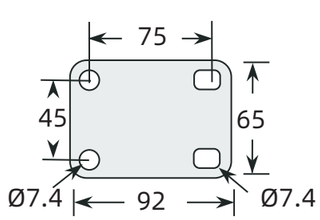
- Standard Dimension



Z701-75-203



S4-3305-351



S4-2205-351-99

- Technical Data

(mm)

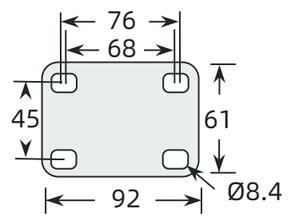
	Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
	75	44	230	Polyolefin	Roller	Z701-75-203	Z702-75-203	102	59
	75	46	227	Glass Filled Nylon	Roller	S4-3305-351	N/A	103	66
	50	41	200	Glass Filled Nylon	Plain	S4-2205-351-99	S4-2208-351-99	73	60

- Brake Selection

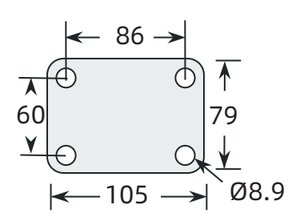


Only applicable to Z701-75-203.
Please specify “B”.
Example: Z701-75-203B.

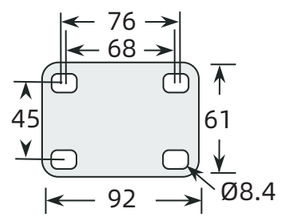
- Standard Dimension



Z701-65-206K



S4-3307-951



Z701-50-447

- Technical Data

(mm)

	Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
	64	44	180	Polyolefin	Plain	Z701-65-206K	Z702-65-206	88	45
	75	46	136	Polyurethane	Roller	S4-3307-951	S4-3308-951	103	63
	50	40	90	Rubber	Plain	Z701-50-447	Z702-50-447	72	46

- Brake Selection



Only applicable to Z701-50-447.
Please specify “B”.
Example: Z701-50-447B.

Air Cargo Series

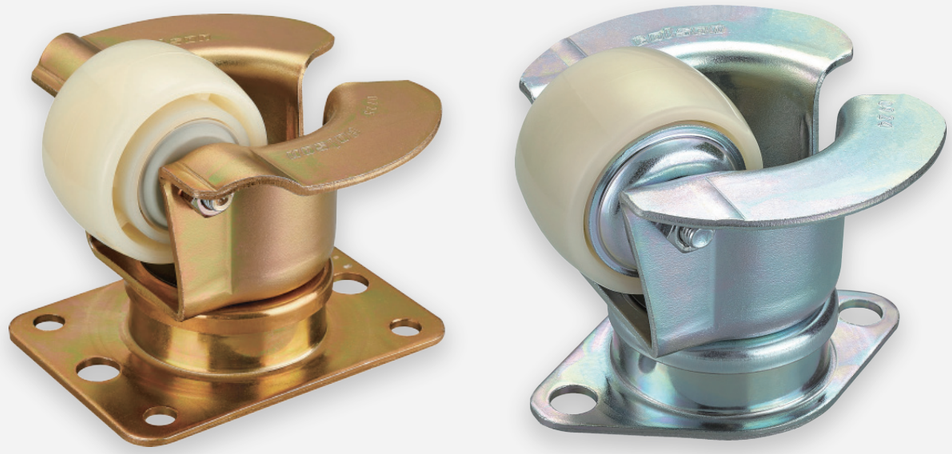
Features

(Capacity up to 250kg)

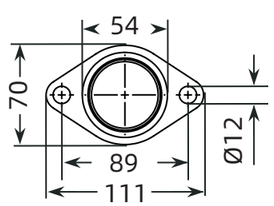
★ Eco-friendly zinc-plated finish improves corrosion resistance and extends service life.

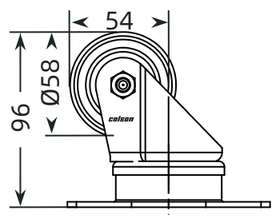
★ Protective cover blocks dust, water, and debris to protect internal components.

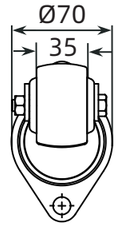
★ Maintenance-free design with sealed precision ball bearings ensures smooth, reliable long-term operation.



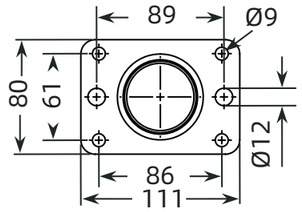
- Standard Dimension

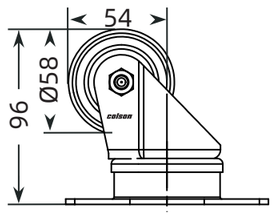


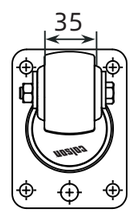




8-033498-1







8-033498

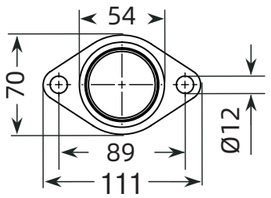
- Technical Data



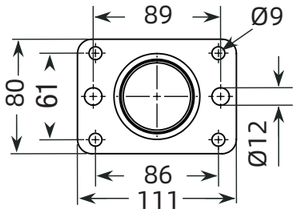
(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius
58	35	250	Engineered Nylon	Single Ball Bearing	8-033498-1	96	54
58	35	250	Engineered Nylon	Single Ball Bearing	8-033498	96	54

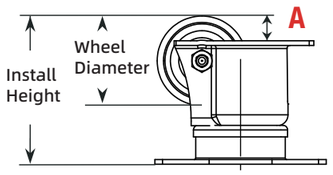
- Standard Dimension

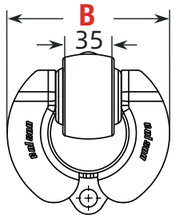


Diamond plate



Rectangular plate





- Technical Data

(mm)

	Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius	A	B
	58	35	250	Engineered Nylon	Double Ball Bearing	8-033301	96	60	19	118
	58	35	250	Engineered Nylon	Single Ball Bearing	8-033499-1	96	60	16	107
	58	35	250	Engineered Nylon	Single Ball Bearing	8-033499	96	60	16	107
	70	35	250	Engineered Nylon	Single Ball Bearing	8-033702-1	102	60	22	107
	70	35	250	Engineered Nylon	Single Ball Bearing	8-033702	102	60	22	107
	58	35	250	Engineered Nylon	Single Ball Bearing	8-033501-1	96	54	16	107
	70	35	250	Engineered Nylon	Single Ball Bearing	8-033701	102	60	22	107



Mobra

Standard cargo castor with mounting bracket and attached toe guard.

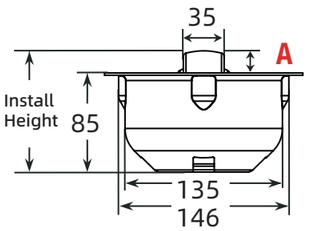
- Easy installation and replacement.
- Cost-effective deck construction.
- Clean deck—debris cannot fall underneath the deck area.

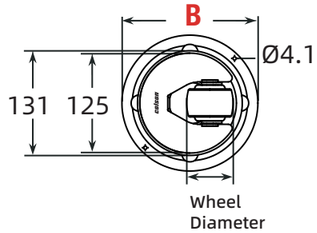
Mobra





- Standard Dimension





- Technical Data

(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Code	Install Height	Swivel Radius	A	B
58	35	250	Engineered Nylon	Single Ball Bearing	8-033500-1	98	54	13	170
70	35	250	Engineered Nylon	Single Ball Bearing	8-033700	104	60	19	170

- Standard Dimension

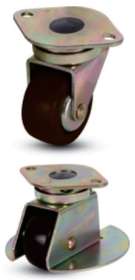
(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius
75	34	120	Black Polyolefin	Flanged Radial Ball	Z711-75-204	95	67
75	34	120	Black Polyolefin	Flanged Radial Ball	Z711-75-204(Heighten)	120	61



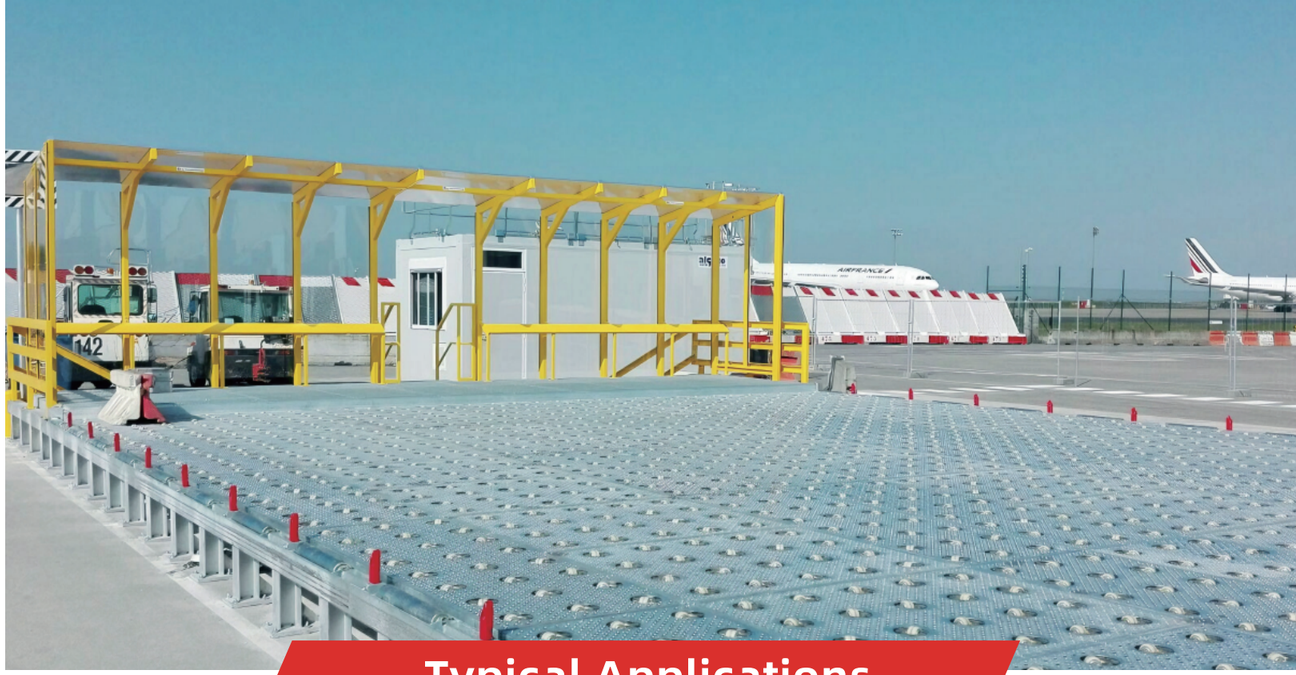
Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius
67	35	120	Apricot Polyolefin	Double Ball Bearing	Z711-67-212 (Rectangular Plate)	96	57
67	35	120	Apricot Polyolefin	Double Ball Bearing	Z711-67-212	96	57



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius
70	35	120	Dark Brown Polyolefin	Single Ball Bearing	Z711-70-213	102	58
70	35	120	Dark Brown Polyolefin	Single Ball Bearing	Z711-70-213 (Disk Bracket)	102	58



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius
70	35	120	Grey Polyolefin	Double Ball Bearing	Z711-70-212	102	58
70	35	120	Grey Polyolefin	Double Ball Bearing	Z711-70-212 (Disk Bracket)	102	58



Typical Applications

Endures shock, heavy loads, and temperature fluctuations at airports worldwide better than any other product. Even in perishable cold-storage facilities, our product feels at home.









- Air Cargo Terminals
- Airport Ground Support Equipment (GSE)
- ULD Handling Systems
- Conveyor and Transfer Tables
- Maintenance and Assembly Lines

colson®

Shopping Cart Series

Features

(Capacity up to 100kg)

★ Precision ball bearings reduce rolling resistance, making carts easier to push with smooth, responsive steering.

★ Dustproof, anti-tangle design prevents debris buildup, extending wheel life.

★ Zinc-plated metal resists rust, suitable for supermarkets, warehouses, and various outdoor environments.





- Technical Data

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius
125	30	100	Rubber on PP	Ball Bearing	Z604-125-441	153	102



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius
125	30	100	TPR on PP	Ball Bearing	Z604-125-301	153	102



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius
125	30	100	TPR on PP	Ball Bearing	Z604-125-321	153	102



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius
125	29	80	TPU	Double Ball Bearing	Z614-125-102	153	102



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius
125	30	100	PU	Double Ball Bearing	*Z603-125-102	150	102

Pneumatic Series

Features

(Capacity up to 210kg)

★ Featuring a unique micro-gap rail design that easily absorbs sudden overload impacts and prevents deformation, enhancing bracket durability and reliability.

★ Standard equipped with Plate No. 1 (hole spacing 84mm × 70mm).

★ Swivel thickness: 6mm, reinforced with double ball-plate heat treatment.

★ Fixed thickness: 6mm.

★ Plate thickness: 6mm.

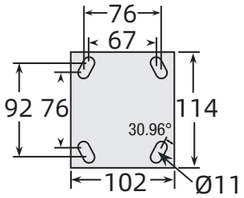


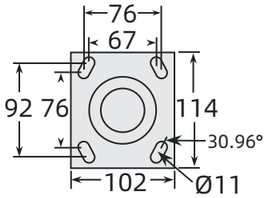


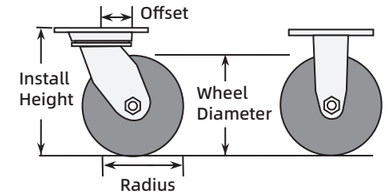
3-Piece Hub Design

The 3-piece hub design allows for easy maintenance and repair

- Standard Dimension







- Technical Data

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
200	60	140	Black Tire	Double Ball Bearing	*Z421-200-424	*Z422-200-424	241	165
250	95	210	Black Tire	Double Ball Bearing	*Z421-250-424	Z422-250-424	330	194
200	60	140	Black Tire	Double Ball Bearing	*C421-200-424	*C422-200-424	241	165
200	54	200	Grey Tire Aluminum	Double Ball Bearing	*C421-200-414	*C422-200-414	241	166
200	54	200	Grey Tire Aluminum	Double Ball Bearing	*T421-200-414	*T422-200-414	241	166
200	60	140	Grey Tire	Double Ball Bearing	*Z421-200-434	*Z422-200-434	241	165
250	95	210	Grey Tire	Double Ball Bearing	Z421-250-434	Z422-250-434	330	194

Note: 8-inch standard wheel axle screw M12.7X103; 10-inch standard wheel axle screw M12.7X130.

Note:

Frame surface treatment: standard is zinc plating; copper plating (add "T" before the code number when ordering) or chrome plating (specify "C") are available.
Brakes: the side brake is availablle; add "B" after the code number when ordering.

MEDICAL SERIES CASTERS

colson®

MUSE DESIGN AWARDS

DESIGN AWARD

SOFI series medical caster awards by the iF Design and MUSE Design



SOFI Series

Features

(Capacity up to 100kg)

★ With precision ball bearings, rotation is smooth and effortless, letting tasks get done with ease.

★ ON/OFF pedal design makes operation easier and more efficient.

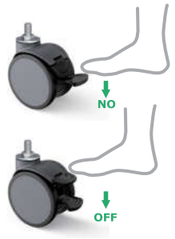
★ Anti-tangle cover prevents hair and debris from entering the bearings, keeping maintenance simple.

Application
Ultrasound
Anesthesia Machine
Diagnostic Equipment
Hospital Bed



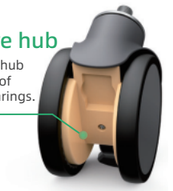
- Brake Selection

When the brake is engaged, the “OFF” pedal automatically lifts, allowing for easy release without repeated bending or extra effort.



All-inclusive hub

The fully enclosed hub
Reduces the entry of debris into the bearings.





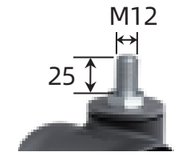
Direction Lock9 (DL)



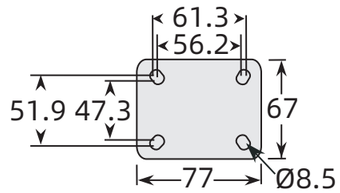
Total Lock (BRK4)

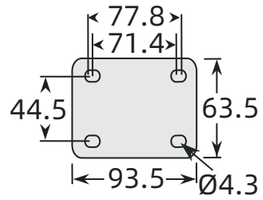
Note: To order products with brakes, please specify 'DL' or 'BRK4'.
Example:SF-3856-85DL.

- Standard Dimension



Note: Threaded stem available in custom sizes





- Top Plate

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius
75	65	80	Polyurethane	Ball Bearing	SF-3856-85	98	67
100	70	100	Polyurethane	Ball Bearing	SF-4856-85	124.5	87
125	86.5	100	Polyurethane	Ball Bearing	SF-5856-85	148.5	106.7

- Threaded Stem

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius	Stem Type
75	65	80	Polyurethane	Ball Bearing	SF-3854-85	98	67	M12X15
100	70	100	Polyurethane	Ball Bearing	SF-4854-85	122	87	M12X25
125	86.5	100	Polyurethane	Ball Bearing	SF-5854-85	152.5	106.7	M16X25

Note: To order products with brakes, please specify 'DL' or 'BRK4'.
Example:SF-3856-85DL.

Tinis Series

Features

(Capacity up to 100kg)

★ Both the wheels and frame feature sealed precision ball bearings.

★ TPR offers durability, smooth rotation, quiet operation, and leaves no marks.

★ Available in antibacterial and anti-static materials, with custom versions for MRI environments.

Application
Medical Trolley
Infusion Trolley
Monitoring/ECG
Beauty Equipment





- Brake Selection

Easy to operate and durable braking system.



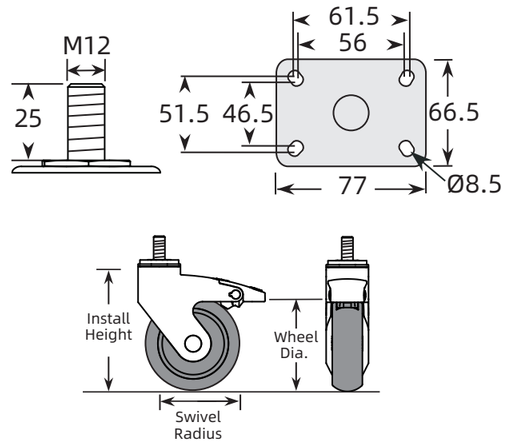
Direction Lock (DL)



Total Lock (BRK4)

Note: To order products with brakes, please specify 'DL' or 'BRK4'.
Example:TS-4856-448DL.

- Standard Dimension



- Threaded Stem

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius
100	32	100	TPR	Ball Bearing	TS-4854-448	139	86

- Top Plate

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius
100	32	100	TPR	Ball Bearing	TS-4856-448	146.5	86

Softtech Series

Features

(Capacity up to 70kg)

★ The frame is injection-molded from a specially PA nylon, offering lightweight strength, high load capacity, and excellent impact resistance.

★ TPR provides durability, smooth rotation, quiet operation, and leave no marks.

★ Color: Black / Grey.

Application

- Electronic Devices
- Audio-visual Equipment
- Furniture
- Medical Instruments



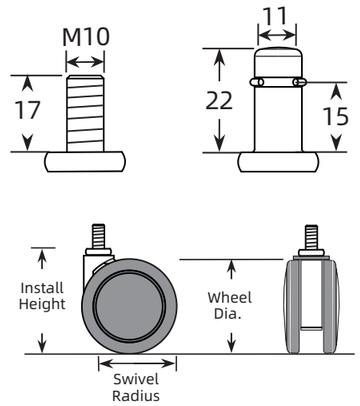
- Brake Selection

Press the brake pedal to lock.
Push the brake pedal upward to unlock.



Note: To order products with brakes, please specify BK.
Example:PSF7554B-BK.

- Standard Dimension



- Technical Data



(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Stem Type	Install Height	Swivel Radius
75	61	50	TPE	Plain	PSF7554B	7/16×7/8(in)	81	68
100	74	70			PSF10054B	M10×17(mm)	109	92
75	61	50	TPE	Plain	PSF7554G	7/16×7/8(in)	81	68
100	74	70			PSF10054G	M10×17(mm)	109	92

Note:B is for black , G for grey , and BK for brake.
To order products with brakes, please specify BK.
Example:PSF7554B-BK.

Genesis Series

Features

(Capacity up to 102kg)

★ Unique design and anti-corrosion process make it popular in medical equipment, furniture, and display shelving.

★ High-strength nylon with glass fiber frame and durable Mono Tech wheels provide a stylish look and durability for medical equipment/carts.

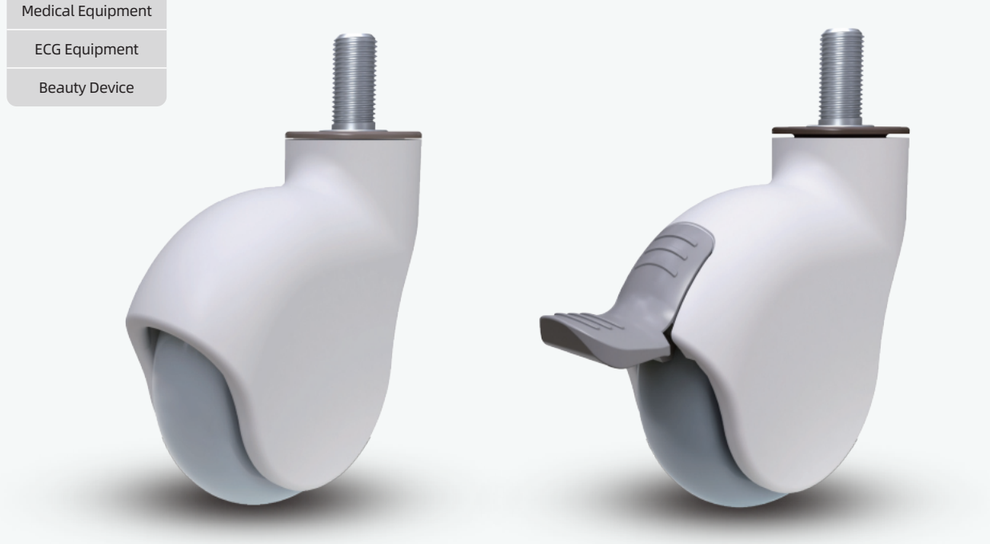
★ The frame and wheels are designed with precision bearings, offering more flexible rotation and steering.

★ MonoTech wheels - leaves no wheel marks, resists debris, and are also suitable for use on carpets and hard floors. The frame is polished for easier cleaning.

★ Fully enclosed anti-tangle cover better resists carpet fibers.

Application

- Hospital Cart
- Medical Equipment
- ECG Equipment
- Beauty Device



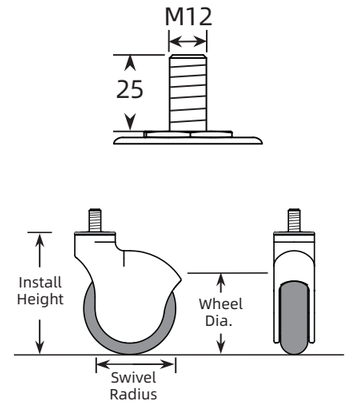
- Brake Selection

Press the brake pedal to lock.
Push the brake pedal upward to unlock.



Note: To order products with brakes, please specify BK.
Exampl:PGE30W-BK.

- Standard Dimension



- Technical Data

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Stem Type	Install Height	Swivel Radius
75	25	50	TPE	Ball Bearing	PGE30W	M12×25	100	74
100	30	102			PGE40W	M12×25	135	95
75	25	50	TPE	Ball Bearing	PGE30B	M12×25	100	74
100	30	102			PGE40B	M12×25	135	95
75	25	50	TPE	Ball Bearing	PGE30G	M12×25	100	74
100	30	102			PGE40G	M12×25	135	95

Note: B is for black,G for grey,W for white,and BK for brake.
To order products with brakes, please specify BK.
Exampl:PGE30W-BK.

STO Series

Features

(Capacity up to 100kg)

★ The bracket uses a unique PA6 with glass fiber injection molding formula, offering advantages such as lighter weight, higher load capacity, high impact strength, corrosion resistance, and easy cleaning.

★ The bracket and wheels are designed with precision bearings, allowing for smoother rotation and less effort.

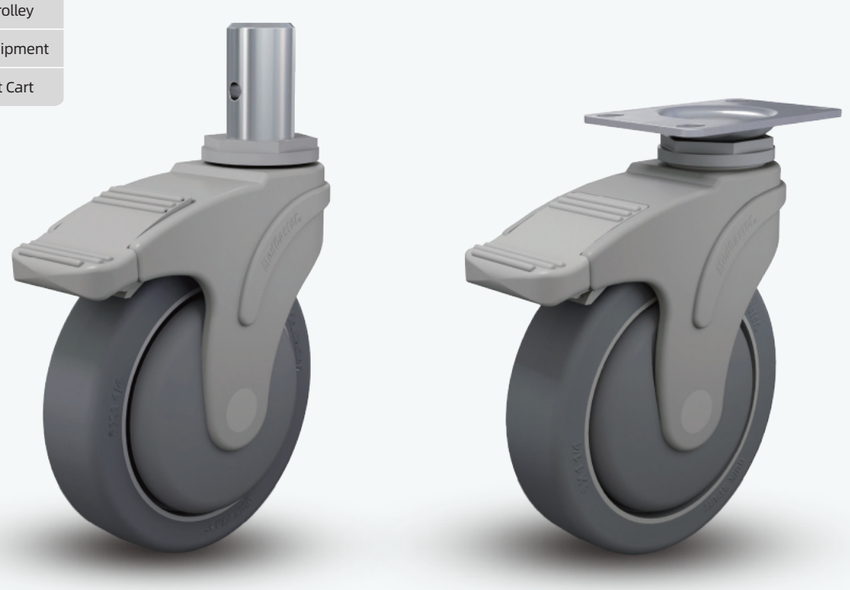
★ Equipped with an anti-tangle cover design, providing anti-tangle, dustproof, and splash-proof functions.

★ Hi-Tech Performa wheels, featuring non-marking, debris resistance, and are also very suitable for use on carpets and hard floors.

★ Note: Non-magnetic products can be customized.

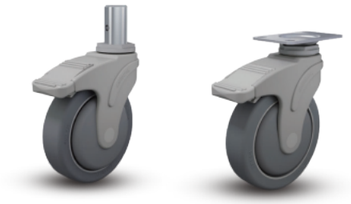
Application

- Medical Trolley
- Medical Equipment
- Treatment Cart



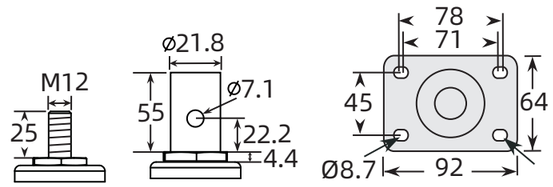
- Brake Selection

Easy to operate and durable braking system.



Note: To order products with brakes, please specify BRK4.
Example:STO-3854-448BRK4.

- Standard Dimension



- Threaded Stem

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius	Stem Type
75	32	70	Performa	Roller Bearing	STO-3854-448	107	72	M12X25
100		80			STO-4854-448	137	87	M12X25
125		100			STO-5854-448	172	102	M12X25
150		100			STO-6854-448	198	114	M12X25

- Solid Stem

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius	Stem Type
100	32	80	Performa	Roller Bearing	STO-4851-448	136	87	Φ21.8x55
125		100			STO-5851-448	165	102	Φ27.4x45

- Top Plate

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
75	32	70	Performa	Roller Bearing	STO-3856-448	STO-3808-448	108	72
100		80			STO-4856-448	/	142	87
125		100			STO-5856-448	STO-5808-448	175	102
150		100			STO-6856-448	STO-6808-448	195	114

Avant Series

Features

(Capacity up to 100kg)

★ Crafted from fiberglass-reinforced PA6, the frame is lightweight yet exceptionally strong, impact-resistant, and corrosion-proof.

★ TPE wheels run quietly, protect floors, and leave no marks.

★ Anti-tangle covers keep debris, dust, and splashes away.

★ Precision bearings ensure smooth, effortless movement.

★ Finished with a sleek new design and upgraded braking system.

Application

- Medical Trolley
- Medical Equipment
- Treatment Cart



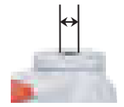
- Brake Selection

Easy to operate and durable braking system.



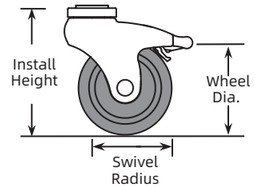
Swivel Wheel　Direction Lock　Total Lock

- Standard Dimension



Spiral opening

BH01	11mm
BH02	13mm



- Bolt Hole

BH01（11mm）

(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Total Lock	Direction Lock	Install Height	Swivel Radius
100	32	100	TPE	Ball Bearing	AV04QRP125SWHK04GY	AV04QRP125TLHK04GY	AV04QRP125DLHK04GY	139	86
125	32	100			AV05QRP125SWHKU4GY	AV05QRP125TLHKU4GY	AV05QRP125DLHKU4GY	162	102.5
150	32	100			AV06QRP125SWHK04GY	AV06QRP125TLHK04GY	AV06QRP125DLHKU4GY	188	120

BH02（13mm）

(mm)

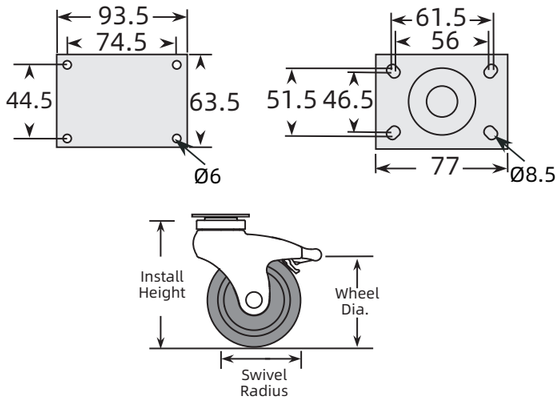
Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Total Lock	Direction Lock	Install Height	Swivel Radius
100	32	100	TPE	Ball Bearing	AV04QRP125SWHK01GY	AV04QRP125TLHK01GY	AV04QRP125DLHK01GY	139	86
125	32	100			AV05QRP125SWHKU1GY	AV05QRP125TLHKU1GY	AV05QRP125DLHKU1GY	162	102.5
150	32	100			AV06QRP125SWHK01GY	AV06QRP125TLHK01GY	AV06QRP125DLHK01GY	188	120

- Brake Selection



Swivel Wheel　Direction Lock　Total Lock

- Standard Dimension



- Top Plate

Top Plate Size（67mmx77mm）

（mm）

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Total Lock	Direction Lock	Install Height	Swivel Radius
100	32	100	TPE	Ball Bearing	AV04QRP125SWTP11GY	AV04QRP125TLTP11GY	AV04QRP125DLTP11GY	145	86
125	32	100			AV05QRP125SWTP11GY	AV05QRP125TLTP11GY	AV05QRP125DLTP11GY	169.5	102.5
150	32	100			AV06QRP125SWTP11GY	AV06QRP125TLTP11GY	AV06QRP125DLTP11GY	195	120

Top Plate Size（63.5mmx93.5mm）

（mm）

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Total Lock	Direction Lock	Install Height	Swivel Radius
100	32	100	TPE	Ball Bearing	AV04QRP125SWTP01GY	AV04QRP125TLTP01GY	AV04QRP125DLTP01GY	145	86
125	32	100			AV05QRP125SWTP01GY	AV05QRP125TLTP01GY	AV05QRP125DLTP01GY	169.5	102.5
150	32	100			AV06QRP125SWTP01GY	AV06QRP125TLTP01GY	AV06QRP125DLTP01GY	195	120



TYPICAL APPLICATIONS





- Healthcare industry
- Pharmaceutical industry
- Clean room
- Electronic medical equipment
- Anesthesia vehicle



36 Series-Top Plate

Features

(Capacity up to 120kg)

★ Pressed steel construction.

★ Zinc plated finish.

★ Swivel bearing with double ball race ensures smooth rotation and effortless operation.

★ Protected from dust and water spray with plastic seal.

Application
Medical Trolley
Rehabilitation Equipment
Medical Instruments
Audiovisual Equipment





- Brake Selection

Easy to operate and durable braking system.



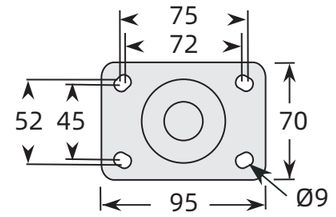
Direction Lock (Q)

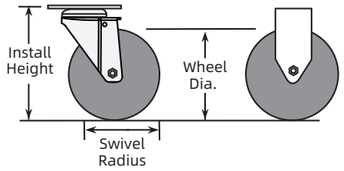


Total Lock (F)

Note: To order products with brakes, please specify 'Q' or 'F' after the swivel code number.
Example: Z361-80-311Q.

- Standard Dimension





- Technical Data

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Rigid	Install Height	Swivel Radius
80	30	80	Grey TPR	Ball Bearing	Z361-80-311	Z362-80-311	118	84
100	32	100			Z361-100-311	Z362-100-311	138	92
125		100			Z361-125-311	Z362-125-311	163	106
150		120			Z361-150-311	Z362-150-311	190	126
200		120			Z361-200-311	Z362-200-311	242	161
80	30	80	Grey TPU	Ball Bearing	Z361-80-101	Z362-80-101	118	84
100	32	100			Z361-100-101	Z362-100-101	138	92
125		100			Z361-125-101	Z362-125-101	163	106
150		120			Z361-150-101	Z362-150-101	190	126
200		120			Z361-200-101	Z362-200-101	242	161
80	30	80	Grey Rubber	Ball Bearing	Z361-80-404	Z361-80-404	118	84
100	32	100			Z361-100-404	Z361-100-404	138	92
125		100			Z361-125-404	Z361-125-404	163	106
150		120			Z361-150-404	Z361-150-404	190	126
200		120			Z361-200-404	Z361-200-404	242	161

36 Series-Bolt Hole

Features

(Capacity up to 120kg)

★ Pressed steel construction.

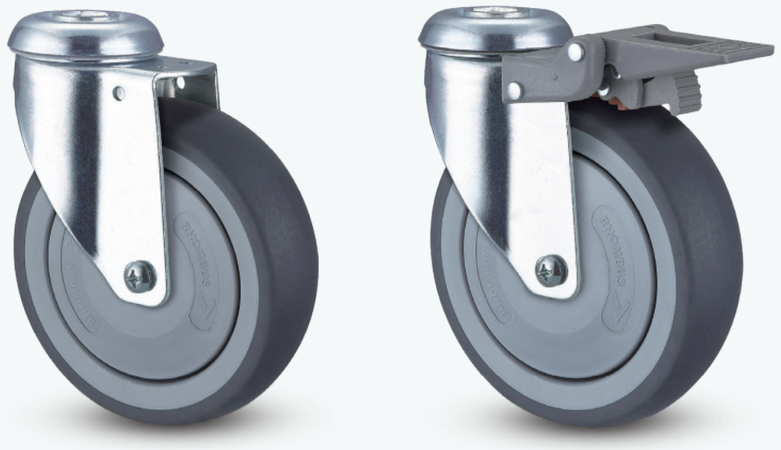
★ Zinc plated finish.

★ Swivel bearing with double ball race ensures smooth rotation and effortless operation.

★ Protected from dust and water spray with plastic seal.

Application

- Medical Trolley
- Rehabilitation Equipment
- Medical Instruments
- Audiovisual Equipment



- Brake Selection

Easy to operate and durable braking system.



Direction Lock (Q)

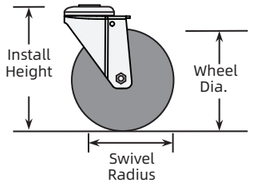


Total Lock (F)

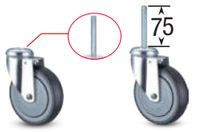
Note: To order products with brakes, please specify 'Q' or 'F' after the swivel code number.
Example: Z364-80-311Q.

- Standard Dimension

Bolt Hole: M12



Specify changing the 4rd character from 4 to 7 for bolt-fitted orders with bolt hole casters.
Example: Z364-80-311→Z367-80-311



- Technical Data

(mm)

	Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius
	80	30	80	Grey TPR	Ball Bearing	Z364-80-311	111	84
	100	32	100			Z364-100-311	131	92
	125		100			Z364-125-311	156	106
	150		120			Z364-150-311	183	126
	200		120			Z364-200-311	235	161
	80	30	80	Grey TPU	Ball Bearing	Z364-80-101	111	84
	100	32	100			Z364-100-101	131	92
	125		100			Z364-125-101	156	106
	150		120			Z364-150-101	183	126
	200		120			Z364-200-101	235	161
	80	30	80	Grey Rubber	Ball Bearing	Z364-80-404	111	84
	100	32	100			Z364-100-404	131	92
	125		100			Z364-125-404	156	106
	150		120			Z364-150-404	183	126
	200		120			Z364-200-404	235	161

CGT Econimic Series

Features

(Capacity up to 40kg)

★ High-strength nylon frame for enhanced durability and stability.

★ Premium polyurethane tread ensures smooth movement, low rolling resistance, excellent wear resistance, and non-marking performance.

★ Optional wheel brake available.

Application

- Medical Trolley
- Rehabilitation Equipment
- Medical Instruments
- Audiovisual Equipment



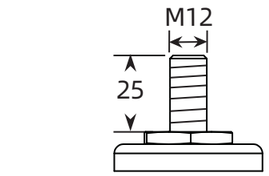
- Brake Selection

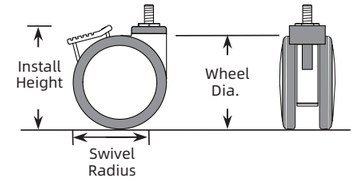
Locks both wheel rotation and swivel action to keep equipment securely fixed in place.



Note: To order products with brakes, please specify 'BK' after the swivel code number.
Example: CGT7554BK.

- Standard Dimension





- Technical Data

(mm)





Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Stem Type	Install Height	Swivel Radius
75	54	40	Polyurethane	Plain	CGT7554	M12X25	86	66
75	54	40	Polyurethane	Plain	CGT7554BK	M12X25	86	72

CPT Series

Features

(Capacity up to 100kg)

★ PA6 nylon injection-molded body offers high load capacity and excellent impact resistance.

★ Precision ball bearing design ensures smoother rotation and easier movement.

★ Standard colors: white frame and thread guards with grey PU.
Custom colors available upon request.

Application

- Medical Equipment
- Hospital Bed
- Medical Cart



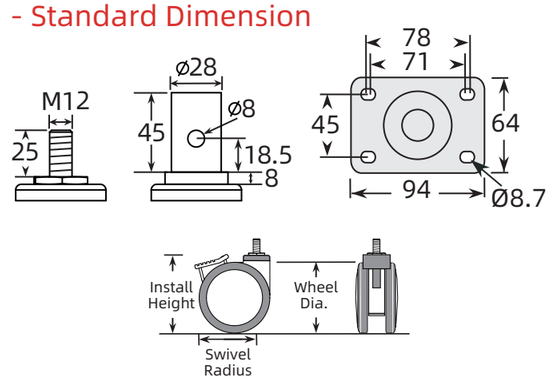
- Brake Selection

Locks both wheel rotation and swivel action to keep equipment securely fixed in place.



Note: To order products with brakes, please specify 'BRK4' after the swivel code number.
Example:CPT-3854-85BRK4.

- Standard Dimension



- Threaded Stem

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Stem Type	Install Height	Swivel Radius
75	59	80	Polyurethane	Roller Bearing	CPT-3854-85	M12×25	94	62
100	66	100			CPT-4854-85	M12×25	125	82
125	74	100			CPT-5854-85	M12×25	148	103

- Solid Stem

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Stem Type	Install Height	Swivel Radius
125	74	100	Polyurethane	Roller Bearing	CPT-5851-85	∅28×45	148	103

- Top Plate

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius
75	59	80	Polyurethane	Roller Bearing	CPT-3856-85	105	62
100	66	100			CPT-4856-85	136	82
125	74	100			CPT-5856-85	158	103

CPT Enhanded Series

Features

(Capacity up to 100kg)

★ PA6 nylon injection-molded body offers high load capacity and excellent impact resistance.

★ TPR provides quiet operation, non-marking performance, easy movement, and floor protection.

★ Integrated thread guards help prevent debris and hair from wrapping around the wheel.

Application

- Medical Instruments
- Medical Carts
- Audiovisual Equipment

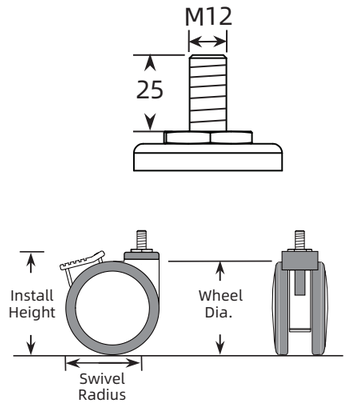


- Brake Selection

Locks both wheel rotation and swivel action to keep equipment securely fixed in place.



- Standard Dimension



- Technical Data

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Stem Type	Install Height	Swivel Radius
100	66	100	TPR	Ball Bearing	CPT-4854-45NP	M12×25	126	80
125	74	100			CPT-5854-45NP	M12×25	148	103
100	66	100			CPT-4854-45BRK4-NP	M12×25	126	94
125	74	100			CPT-5854-45BRK4-NP	M12×25	148	112

TUC Series-Central Lock

Features

(Capacity up to 110kg)

★ Aluminum alloy frame provides higher load capacity and impact strength.

★ Nylon core with polyurethane offers better load capacity and impact resistance.

★ Central hex brake system allows one pedal to control 2 or 4 casters for locking at the same time.

★ Brake: free / total lock (TL).

★ Tread hardness: 90±3 Shore A.

★ Cable sweeper (SW) helps move cables aside during travel, preventing damage and making equipment easier to move.

Application

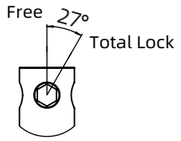
- Hospital Cart
- Medical Equipment
- ECG Equipment
- Beauty Device



- Brake Selection

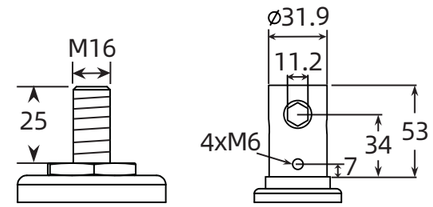
Easy to operate and durable braking system.

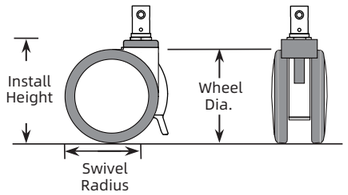






- Standard Dimension





- Threaded Stem



(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Stem Type	Install Height	Swivel Radius
125	69	110	Hi-Tech Polyurethane	Prec. Ball	TUC-5054TPU-TL-SW-N	M16×25	144	107

- Solid Stem



(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius	(°)
125	69	110	Hi-Tech Polyurethane	Prec. Ball	TUC-5012TPU-TL-SW-N	144	107	27

398 Series-Central Lock

Features

(Capacity up to 150kg)

★ Central locking castor design.

★ Aluminum alloy rigs offering better load capacity and impact strength.

★ Non marking polyurethane wheel treads (95 A).

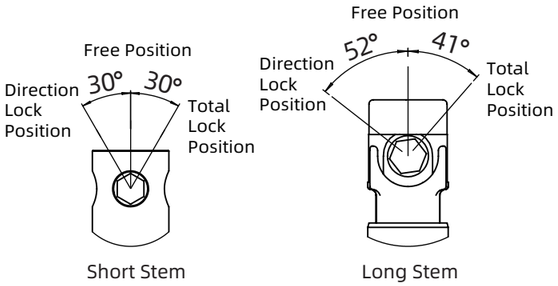
★ Dual Precision ball bearings in wheel for 200mm.

★ Conductive option is available.

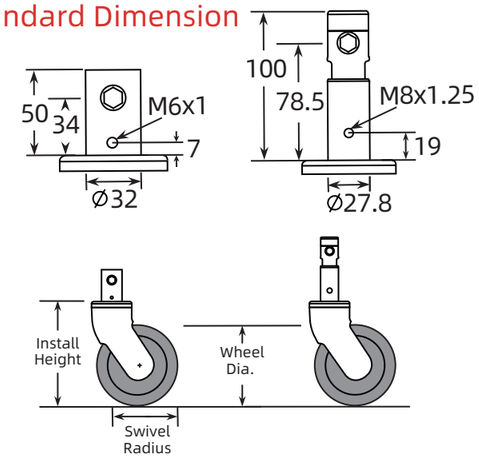
Application
Nursing Bed
Hospital Bed
Intensive Care Unit
Medical Equipment
Surgical Bed
Operating Table



- Central Locking System



- Standard Dimension



- Technical Data

Short Stem（ø32x50）

(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Brake Code	Swivel Code	Install Height	Swivel Radius
125	32	120	TPR	398Q35K125RK985NP	398R35K125RK985NP	158	103
125	32	120	TPU	398Q35K125VK985NP	398R35K125VK985NP	158	103
150	32	120	TPR	398Q35K150RK985NP	398R35K150RK985NP	188	117
150	32	150	TPU	398Q35K150VK985NP	398R35K150VK985NP	188	117
200	32	120	TPR	398Q37K200RK985NP	398R37K200RK985NP	229	156
200	32	150	TPU	398Q37K200VK985NP	398R37K200VK985NP	229	156

Long Stem（ø27.8x100）

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Brake Code	Swivel Code	Install Height	Swivel Radius
125	32	120	TPR	398Q35K125RK2351ZA	398R35K125RK2351ZA	158	103
125	32	120	TPU	398Q35K125VK2351ZA	398R35K125VK2351ZA	158	103
150	32	120	TPR	398Q35K150RK2351ZA	398R35K150RK2351ZA	188	117
150	32	150	TPU	398Q35K150VK2351ZA	398R35K150VK2351ZA	188	117
200	32	120	TPR	398Q37K200RK2351ZA	398R37K200RK2351ZA	229	156
200	32	150	TPU	398Q37K200VK2351ZA	398R37K200VK2351ZA	229	156

Conductive wheels available.
Specify changing the 11th character from 'R' to 'A' for conductive casters.
Example: 398Q35K125RK2351ZA → 398Q35K125AK2351ZA

390 Series-Central Lock

Features

(Capacity up to 100kg)

★ Central locking castor design.

★ Aluminum alloy rigs offering better load capacity and impact strength.

★ Dual Precision ball bearings in wheel for 200mm.

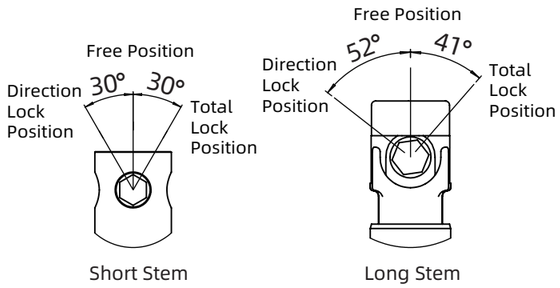
★ Conductive option is available.

Application
Nursing Bed
Hospital Bed
Intensive Care Unit
Medical Equipment
Surgical Bed
Operating Table

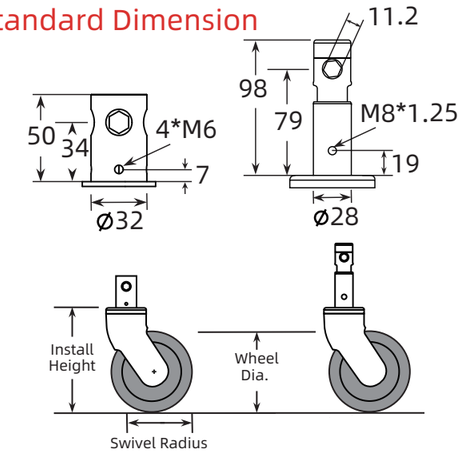




- Central Locking System



- Standard Dimension



- Technical Data

Short Stem（ø32x50）

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Brake Code	Swivel Code	Install Height	Swivel Radius
100	32	100	TPR	390Q35K100RZ985	390R35K100RZ985	133	94
			TPU	390Q35K100VZ985	390R35K100VZ985		
125	32	100	TPR	390Q35K125RZ985	390R35K125RZ985	158	108
			TPU	390Q35K125VZ985	390R35K125VZ985		

Long Stem（ø28x98）

(mm)



Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Brake Code	Swivel Code	Install Height	Swivel Radius
100	32	100	TPR	390Q35K100RZ2351	390R35K100RZ2351	133	94
			TPU	390Q35K100VZ2351	390R35K100VZ2351		
125	32	100	TPR	390Q35K125RZ2351	390R35K125RZ2351	158	108
			TPU	390Q35K125VZ2351	390R35K125VZ2351		

CGT Salvus Series

Features

(Capacity up to 110kg)

★ Precision ball bearings in both frame and wheel ensure smooth and quiet rolling performance.

★ Integrated full cover design prevents hair, threads, and debris from wrapping around the wheel.

★ Available with total-lock, directional-lock central braking system

★ Ergonomic, non-marking rubber tread.

★ Tread hardness: 78 Shore A.

★ Customizable to meet specific load and application requirements.

Application
Diagnostic Imaging
Ultrasound Instruments
Radiotherapy Machines
Precision equipment that requires vibration-damping wheels

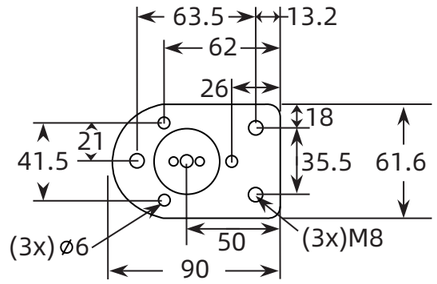


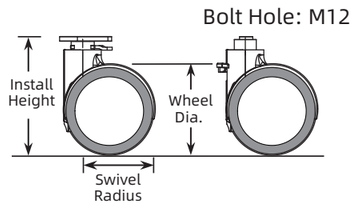
- Locking System

Quick-acting braking system for reliable and responsive stopping.
Shock-absorbing structure ensures smooth operation and enhanced equipment safety.



- Standard Dimension





- Technical Data



(mm)

Wheel Dia.	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel	Install Height	Swivel Radius
150	15	110	Rubber	Prec. Ball	CG10280.001	200	127
150	15	110	Rubber	Prec. Ball	CG10279.001	200	127

ALBION®

Focusing on heavy-duty Casters R&D and manufacturing

Expert of AGV and robotics solution

WHEEL MATERIAL

High-Strength Nylon Wheels

High-strength nylon wheels roll easily, have a large load capacity, and are more wear-resistant with metal additives.

Temperature range: -35℃ ~ +100℃
Hardness:78 (±5)Shore A



PF Iron Core Polyurethane Wheels

The polyurethane tread is molded by casting, durable and noiseless.

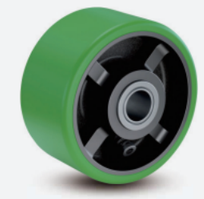
Temperature range: -40℃ ~ +80℃
Hardness:95 (±5)Shore A



PI Iron Core Polyurethane Wheels

The polyurethane tread is molded by casting, durable and noiseless.

Temperature range: -40℃ ~ +80℃
Hardness:95 (±5)Shore A



Gem-Patterned Rubber Wheels

Wear-resistant, aging-resistant, non-slip, flame-retardant, oil-resistant,heat-resistant, high-temperature performance,high elasticity, and other effects.

Temperature range: -40℃ ~ +300℃
Hardness:95 (±5)Shore A



MR Rubber Wheels

The vulcanized rubber tread gives the wheels good shock absorption and noise reduction performance,maintaining a quiet usage environment.

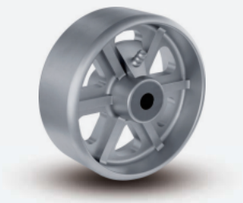
Temperature range: -35℃～+100℃
Hardness:70-80 Shore A



CA Cast Iron Wheels

High-quality cast iron, with a maximum tensile strength of up to 30,000 psi, is most suitable for high-load applications.

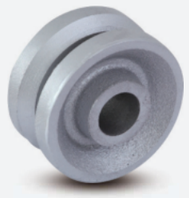
Temperature range:up to 400℃



VG Cast Iron V-shaped Groove Wheels

Made of heavy cast iron, the V-shaped groove helps balance the load on the contact surface during operation,making it suitable not only for tracks but also for use on flat ground.

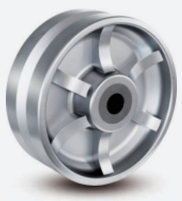
Temperature range:up to 400℃



FM/FR/VM Ductile iron Wheels

ALBION ductile iron wheels have higher load capacity than ordinary cast iron wheels, and the entire wheel is sprayed with black paint.

Temperature range:up to 400℃
Tensile strength: 65,000 psi





Wheel Type		Wheel Description	Capacity Range (kg)	Size Range (mm)	Floor Protection	Rollability	Chemical Resistance
Soft	MD	Mold-on Rubber/Aluminum	110-230	101.6-203.2	High	Fair	Good
	MR	Mold-on Rubber/Iron	60-1260	82.55-508	High	Fair	Good
Medium	PI	Polyurethane/Iron	310-670	101.6-203.2	Medium	Good	Good
	PY	Polyurethane/Iron	180-3780	82.55-457.2	Medium	Good	Good
Hard	CA	Cast Iron	130-2700	76.2-457.2	Low	Best	Fair
	CH	Cast Iron (Heavy Duty)	670-810	127-203.2	Low	Best	Fair
	FL	Flanged (Single)	310-1350	76.2-255.6	Low	Best	Fair
	FS	Drop Forged Steel	630-4500	101.6-254	Low	Best	Fair
	FH	Drop Forged Steel (Heavy Duty)	7650-9000	152.4-203.2	Low	Best	Fair
	FM	Ductile Iron	2700	304.8	Low	Best	Fair
	VG	V-Grooved Cast Iron	360-1570	101.6-254	Low	Best	Fair
	VF	V-Grooved Forged Steel	2700-4500	152.4-254	Low	Best	Fair
	VH	V-Grooved Forged Steel Large Bore	4500-6750	152.4-254	Low	Best	Fair

WHEEL BEARING/BRAKE



Precision Sealed Ball



Pedestal Precision Ball



Roller Bearing



FBB

Compatible with 110, 310, 410 series brackets.



F

Compatible with 610 series brackets.



Directional Lock

FLOOR LOCK

- Anti-slip, no sliding contact
- Solid injection-molded rubber pad
- Adjustable by light foot pressure
- Secure locking with painted finish
- Top plate is compatible, facilitating installation
- Corrosion-resistant galvanized top plate, long service life



(mm)

Floor Lock Code	Caster Wheel Diameter	Extended Working Height	Retracted Height	Mounting Plate Size	Bolt Hole Spacing	Attaching Bolt Size
930LF0410U	101.60	143.00	119.13	133.65 X 93.73	92.07 X 66.68	10.32
930LF0430S	101.60	139.19	119.13	133.65 X 93.73	92.07 X 66.68	10.32
940LF0600U	152.40	196.85	171.45	152.40 X 114.30	125.48 X 61.98	14.29
940LF06751	127.00	190.50	162.05	152.40 X 114.30	74.68 X 61.98	14.29
980LF0550696S01	127.00	190.50	162.05	152.40 X 114.30	125.48 X 61.98	14.29

INDUSTRIAL CASTER MODEL DESCRIPTION

Caster

410NX12528S is a 410 Series 12"X3" swivel top plate caster with Trionix wheel with ball bearing.

410	NX	12	5	28	S
Caster Series	Wheel Code	Diamaeter Code	Tread Width Code	Bearing Code	Swivel/Fixed
410 Series	NX is Trionix wheel See Wheel Section for codes	12 is 12"	5 is 3"	28 is ball bearing See Bearing Section for code	S is Swivel R is Fixed

Wheel

NX1252812 is a Trionix wheel with ball bearing.

NX	12	5	28	12
Wheel Code	Diameter Code	Tread Width Code	Bearing Code	Bearing ID Code
See Wheel Section for codes	12 is 12" NX is Trionix wheel	5 is 3"	28 is Ball Bearing	Bearing I.D. for wheels with bearing. Wheel bore I.D. for wheels less bearing.

Brake

Tread brakes are indicated by adding a suffix to the conventional model; directional brakes are indicated by adding a prefix to the conventional model.

FBB	SL
Tread Brake	Directional Brake

INDUSTRIAL HEAVY-DUTY CASTERS

ALBION





110 Series

Features

(Capacity up to 630kg)

★ Top Plate: 5/16" AISI 1045 steel welded and heat treated for long life.
Drop-forged steel for raceway.

★ Yoke Base: Notched AISI 1045 steel.

★ Swivel Section: One row of 3/8" ball bearings mounted in a heat-treated precision machined raceway.

★ Axle: 1/2" diameter hollow axle with zerk fitting on roller and tapered bearing models.

★ Improved zinc plated finish for attractive appearance, better corrosion resistance and longer life.



- Brake Selection

Easy to operate and durable braking system.

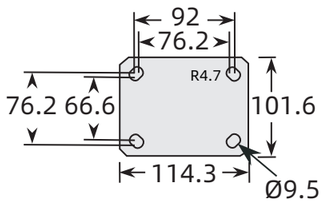


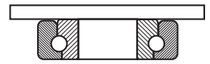
SL 160

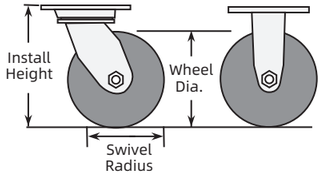


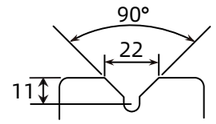
FBB

- Standard Dimension









V-groove cast iron wheel width and depth dimensions

- Technical Data

(mm)



Swivel	Rigid	Wheel Dia.	Tread Width	Load Capacity	Install Height	Swivel Radius
110PF06228S	110PF06228R	152.40	50.80	630	190.50	127.00
110PF08228S	110PF08228R	203.20	50.80	630	257.18	152.40
110NX04228S	110NX04228R	101.60	50.80	630	142.88	76.20
110NX05228S	110NX05228R	127.00	50.80	630	165.10	101.60
110NX06228S	110NX06228R	152.40	50.80	630	190.50	127.00
110NX08228S	110NX08228R	203.20	50.80	630	257.18	152.40
110CA04201S	110CA04201R	101.60	47.63	450	142.88	76.20
110CA05201S	110CA05201R	127.00	47.63	590	165.10	101.60
110CA06201S	110CA06201R	152.40	47.63	630	190.50	127.00
110CA08201S	110CA08201R	203.20	50.80	630	257.18	152.40
110VG04201S	110VG04201R	101.60	50.80	360	142.88	76.20
110VG05201S	110VG05201R	127.00	50.80	360	165.10	101.60
110VG06201S	110VG06201R	152.40	50.80	450	190.50	127.00

310 Series

Features

(Capacity up to 1860kg)

★ Top Plate: 5/16" AISI 1045 hear treated steel welded inside and out for a longer life.

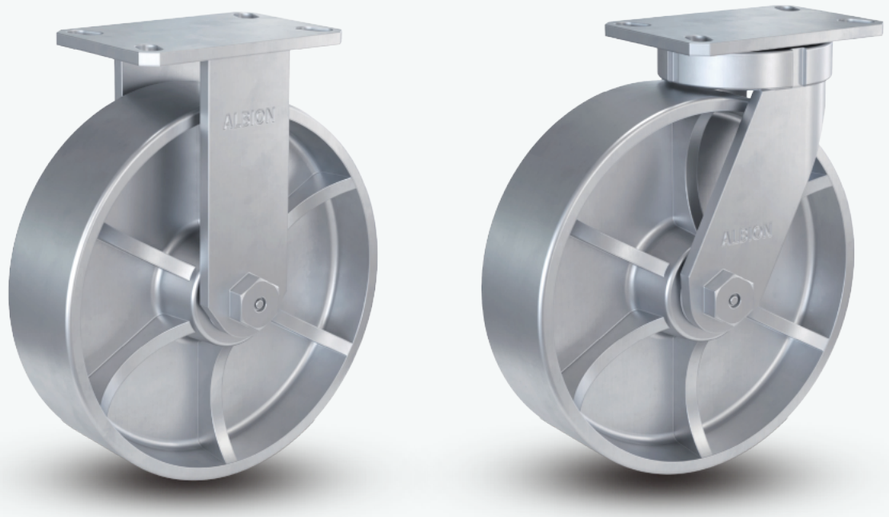
★ Swivel Section: One row of 3/8" ball bearings mounted in a heat treated precision machined raceway. Zerk in swivel section.

★ Yoke Base: Notched AISI 1045 steel.

★ Rigs: welded inside and out.

★ Axle: 3/4" diameter.

★ Finish: Zinc plating delivers greater corrosion resistance.



- Brake Selection

Easy to operate and durable braking system.

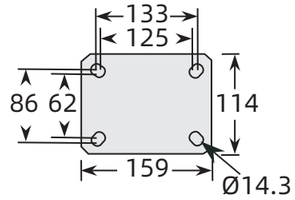


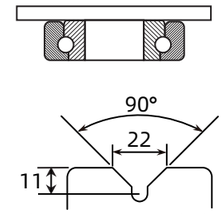
SL 300



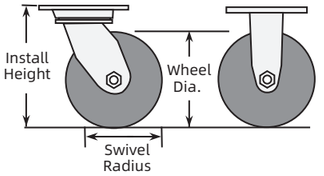
FBB

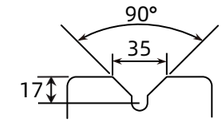
- Standard Dimension





8 inches V-groove cast iron wheel width and depth dimensions





10 inches V-groove cast iron wheel width and depth dimensions

- Technical Data

(mm)

Swivel	Rigid	Wheel Dia.	Tread Width	Load Capacity	Install Height	Swivel Radius
310PF06528S	310PF06528R	152.40	76.20	1400	190.50	111.10
310PF08528S	310PF08528R	203.20	76.20	1500	257.18	154.00
310PF10528S	310PF10528R	254.00	76.20	1800	292.10	184.10
310PF12528S	310PF12528R	304.80	76.20	1860	342.90	220.70
310NX06528S	310NX06528R	152.40	76.20	1860	190.50	111.10
310NX08528S	310NX08528R	203.20	76.20	1860	257.18	154.00
310NX10528S	310NX10528R	254.00	76.20	1860	292.10	184.10
310NX12528S	310NX12528R	304.80	76.20	1860	342.90	220.70
310CA06529S	310CA06529R	152.40	76.20	1270	190.50	111.10
310CA08529S	310CA08529R	203.20	76.20	1270	257.18	154.00
310CA10529S	310CA10529R	254.00	76.20	1270	292.10	184.10
310CA12529S	310CA12529R	304.80	76.20	1270	342.90	220.70
310VG08529S	310VG08529R	203.20	76.20	1130	257.18	154.00
310VG10529S	310VG10529R	254.00	76.20	1360	292.10	184.10

410 Series

Features

(Capacity up to 2450kg)

- ★ Top Plate: 5/16" AISI 1045 hear treated steel welded inside and out for a longer life.
- ★ Swivel Section: One row of 3/8" ball bearings mounted in a heat treated precision machined raceway. Zerk in swivel section.
- ★ Yoke Base: Notched AISI 1045 steel.
- ★ Rigs: welded inside and out.
- ★ Axle: 3/4" diameter.
- ★ Finish: Zinc plating delivers greater corrosion resistance.



- Brake Selection

Easy to operate and durable braking system.

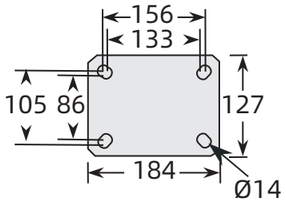


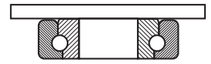
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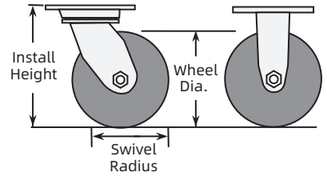


FBB

- Standard Dimension







- Technical Data

(mm)







Swivel	Rigid	Wheel Dia.	Tread Width	Load Capacity	Install Height	Swivel Radius
410PF06528S	410PF06528R	152.40	76.20	1400	203.20	132.60
410PF08528S	410PF08528R	203.20	76.20	1800	266.70	176.20
410PF10528S	410PF10528R	254.00	76.20	1900	317.50	212.70
410PF12528S	410PF12528R	305.00	76.20	2000	393.70	261.90
410NX06528S	410NX06528R	152.40	76.20	2450	203.20	132.60
410NX08528S	410NX08528R	203.20	76.20	2450	266.70	176.20
410NX10528S	410NX10528R	254.00	76.20	2450	317.50	212.70
410NX12528S	410NX12528R	305.00	76.20	2450	393.70	261.90
410FR06501S	410FR06501R	152.40	76.20	2450	203.20	132.60
410FR08510S	410FR08510R	203.20	76.20	2450	266.70	176.20
410FR10501S	410FR10501R	254.00	76.20	2450	317.50	212.70

610 Series

Features

(Capacity up to 3270kg)

- ★ Top Plate: 5/16" AISI 1045 hear treated steel welded inside and out for a longer life.
- ★ Swivel Section: One row of 3/8" ball bearings mounted in a heat treated precision machined raceway. Zerk in swivel section.
- ★ Yoke Base: Notched AISI 1045 steel.
- ★ Rigs: welded inside and out.
- ★ Axle: 3/4" diameter.
- ★ Finish: Zinc plating delivers greater corrosion resistance.



- Brake Selection

Easy to operate and durable braking system.

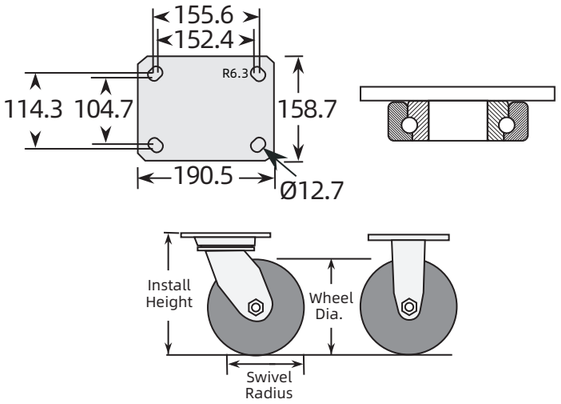


SL 600



F

- Standard Dimension



- Technical Data

(mm)

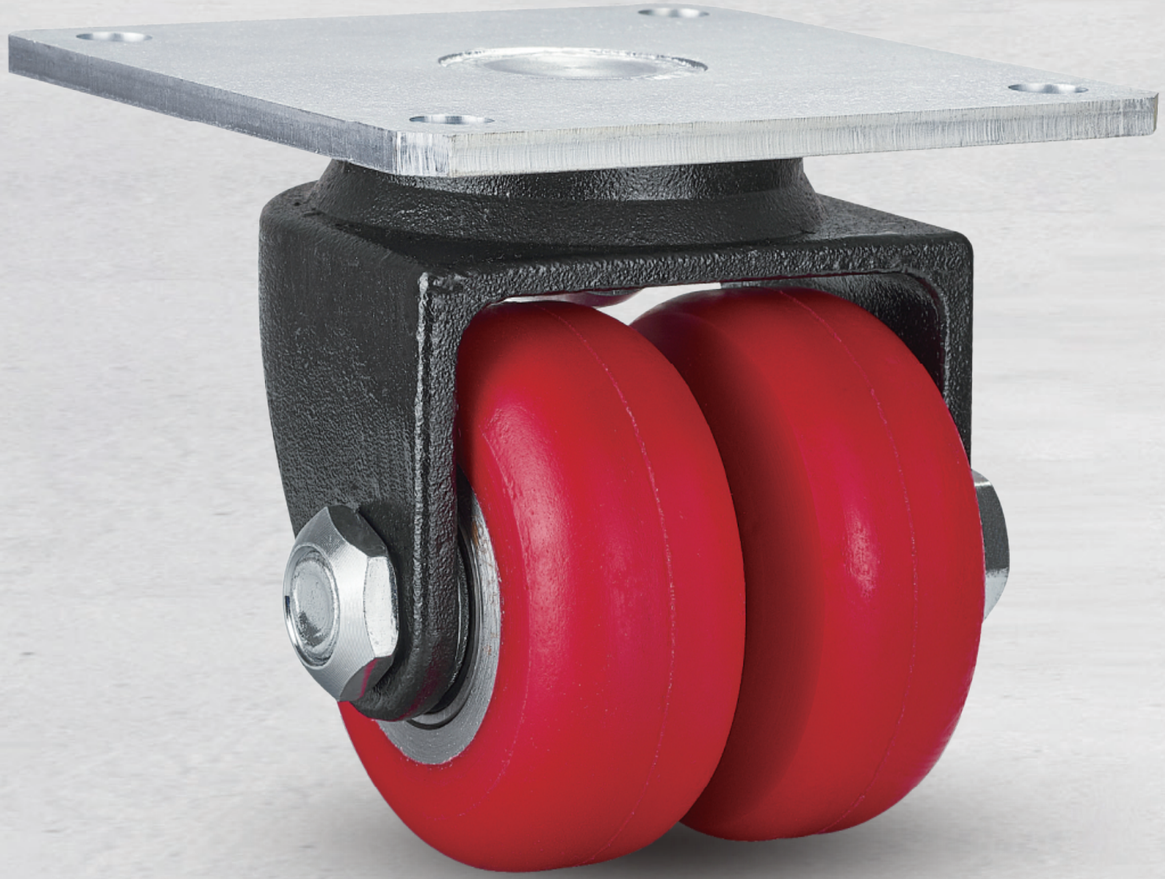


Swivel	Rigid	Wheel Dia.	Tread Width	Load Capacity	Install Height	Swivel Radius
610PF06528S	610PF06528R	152.00	76.20	1400	215.90	120.70
610PF08528S	610PF08528R	203.00	76.20	1800	266.70	158.80
610PF10528S	610PF10528R	254.00	76.20	1900	317.50	196.90
610PF12528S	610PF12528R	304.80	76.20	2000	393.40	244.50
610NX06528S	610NX06528R	152.00	76.20	3270	215.90	120.70
610NX08528S	610NX08528R	203.00	76.20	3270	266.70	158.80
610NX10528S	610NX10528R	254.00	76.20	3270	317.50	196.90
610NX12528S	610NX12528R	304.80	76.20	3270	393.40	244.50
610CA06529S	610CA06529R	152.00	76.20	1270	215.90	120.70
610CA08529S	610CA08529R	203.00	76.20	1270	266.70	158.80
610CA10529S	610CA10529R	254.00	76.20	1270	317.50	196.90
610CA12529S	610CA12529R	304.80	76.20	1270	393.40	244.50
610FM06501S	610FM06501R	152.00	76.20	2720	215.90	120.70
610FM08501S	610FM08501R	203.00	76.20	2720	266.70	158.80
610FM10501S	610FM10501R	254.00	76.20	2720	317.50	196.90

AGV Series

AGV and Robotics

ALBION®



AGV Series

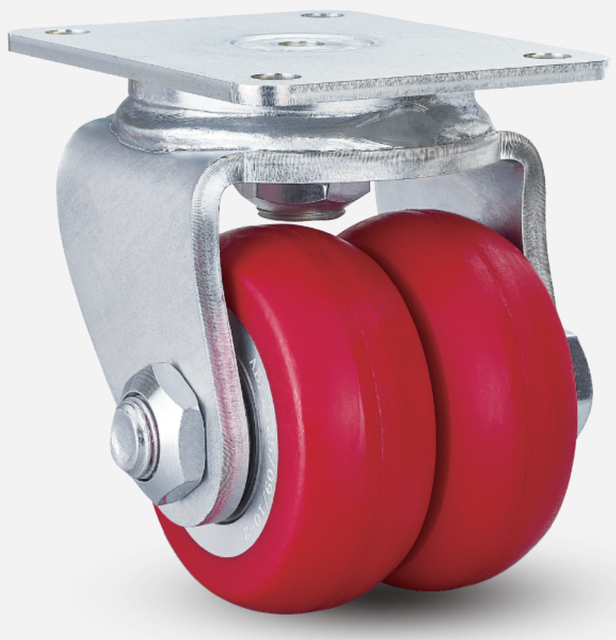
Features

(Capacity up to 3500kg)

★ **Heavy-Duty Reinforced Frame and Base Plate**
Provides excellent resistance to load, pressure, and abrasion.

★ **Differential Dual-Wheel System**
Allows flexible zero-radius turning with improved maneuverability.

★ **High-Performance Polyurethane Wheels**
Built to provide long-lasting durability, quiet operation, and reduced motor stress for enhanced AGV performance.



- Technical Data

(mm)

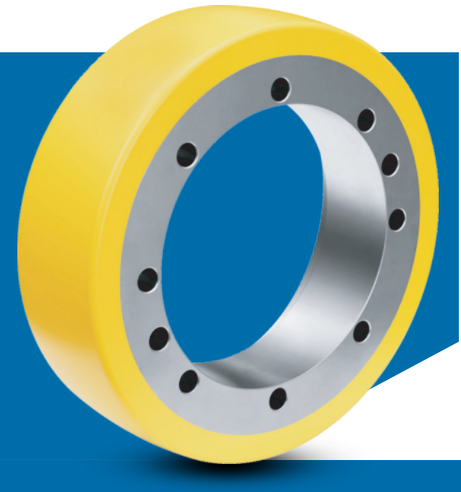
	Load Capacity	Wheel Dia.	Tread Width	Code	Install Height	Offset	Swivel Radius	Top Plate Dimensions	Top Plate Thickness	Mounting Dimension	Bolt Hole Space
	50	35	15	PU0101CN02	52	18	39	60×60	2.5	43×43	Ø7
	150	55	20	PU0203CN01	79	20	51	100×80	3.5	76/80×60	Ø9
	250	76	24	PU0311CN05	100	20	62	85×85	4	70×70	Ø9
	300	75	30	PU0311CN73	107	20	62	104×82	6	82×60	Ø9
	400	80	35	PU0311CN45	111	25	71	125×125	6	98×98	Ø11
	500	80	35	PU0311CN26	111	25	75	125×125	6	98×98	Ø11
	600	125	35	PU0522CN09	160	30	100	110×100	8	75×75	Ø11
	700	120	35	PU0522CN10	152	35	100	150×135	8	120×110	Ø11
	800	120	40	PU0701CN02	15	30	97	150×135	8	120×110	Ø11

(mm)

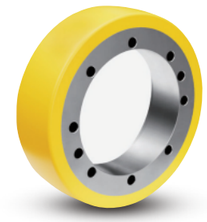
	Load Capacity	Wheel Dia.	Tread Width	Code	Install Height	Offset	Swivel Radius	Top Plate Dimensions	Top Plate Thickness	Mounting Dimension	Bolt Hole Space
	1000	150	51	PU0622CN03	204	42	135	184×133	10	133/156×86/105	Ø14
	1500	148	76	PU0633CN00	202	57	155	184×133	10	133/156×86/105	Ø14
	2000	180	76	PU0755CN02	233	57	170	184×133	10	133/156×86/105	Ø14
	2500	203	76	PU0855CN00	276	65	195	209×209	12	150/165×150/165	Ø18
	3500	254	76	PU1055CN00	324	65	215	209×209	12	150/165×150/165	Ø18

Customise AGV Drive Wheels

Fully customise drive wheels designed to match customer motor configurations, load requirements, and specific applications.







Customise Options

- Wheel Size (Diameter & Tread Width)
- Wheel Hub Structure & Drive Interface
- Tread Profile & Surface Design
- Hub Material Options
- Tread Material Selection
- Appearance & Surface Finish

Engineered to Fit Your AGV System Perfectly

Provide fully customise drive wheels designed to meet the mechanical, performance, and aesthetic needs of AGV and AMR manufacturers.





550PF Series

Features

(Capacity up to 3000kg)

★ Made with imported polyurethane materials through casting, ensuring wear resistance and anti-aging properties.

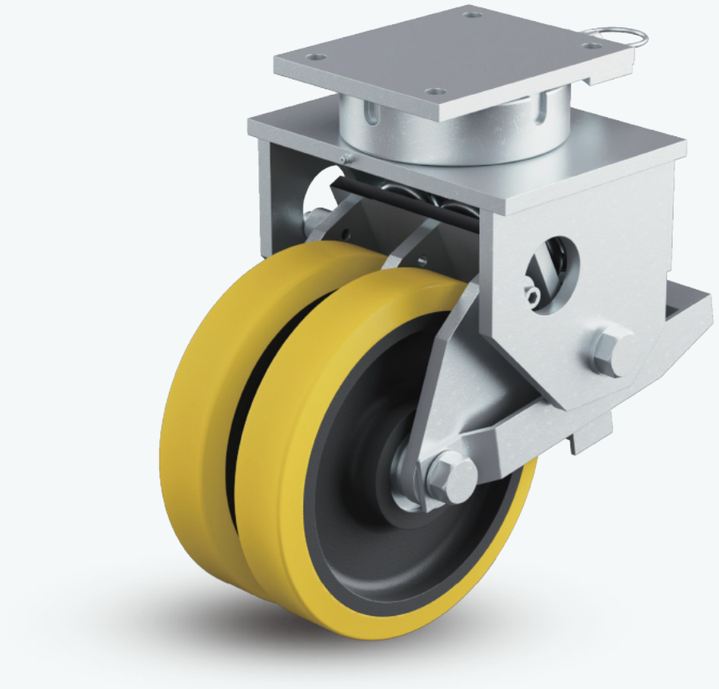
★ The shock-absorbing damping structure effectively absorbs minor vibrations, providing a smoother experience.

★ Equipped with both tread and directional brake designs.

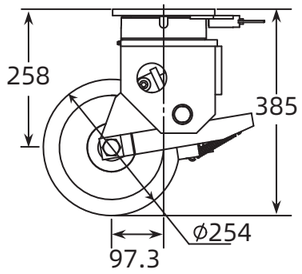
★ The double-bearing structure is compact, requires less turning force, and offers more flexible rotation, enhancing operational convenience and efficiency.

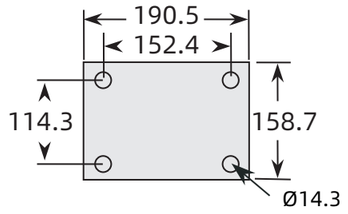
★ The dual-wheel differential design further improves the caster's flexibility and adaptability.

★ Certified by ICWM testing, compliant with RoHS standards.

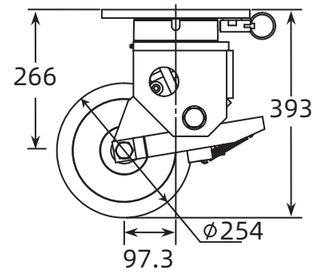


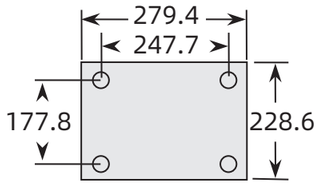
- Standard Dimension





550PF10228S-2TMFX





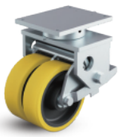
550PF10528S-2TMFX

- Technical Data

(mm)



550PF10228S-2TMFX



550PF10528S-2TMFX

Load Capacity	Install Height	Swivel Diameter	Offset	PU Wheel Diameter	Hardness (Shore A)	Top Plate Dimension	Bolt Hole Space
1500	385	255	220	254x50.8	95	190.5x158.7	14.3
3000	393	255	220	254x76.2	95	279.4x228.6	14.3