



**WHERE ECONOMY MEETS QUALITY**

# **i6 Series** (Veloris)

**TOP PLATE CASTER & BOLT HOLE CASTOR**





## Designed, tested and proven—for almost 141 years.

Since 1885, Colson's quality lines of casters and wheels have defined the castor industry.

Leading warranties and continuous innovations, including the unrivaled Performa wheel, have established Colson as one of the most trusted castor brands in the world today. At Colson, we strive to protect and strengthen our legacy of trust and innovation in everything we do. Colson offers **thousands of different standard caster models, plus the expertise and technology to provide a custom solution for any castor application.** Contact us today, and put our experts to work for you in specifying the perfect Colson castor!

### THE GLOBAL LEADER IN CASTORS 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

Download

**3D CAD Models!**

[www.ColsongroupAPAC.com](http://www.ColsongroupAPAC.com)



APP STORE

Search: "Caster CAD 3D"



National Sanitation Foundation for Food Service



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





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

WHERE ECONOMY MEETS QUALITY

# i6 Series (Veloris)

 180 - 400 kg

 105 - 235 mm

 80 - 200 mm



### 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**.



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

# FITTINGS

## DESIGNED TO FIT EVERY APPLICATION

Castor fitting depends on the application and mounting needs. Two fitting types are available—plate fitting and bolt hole fitting. Both offering secure installation and reliable performance.



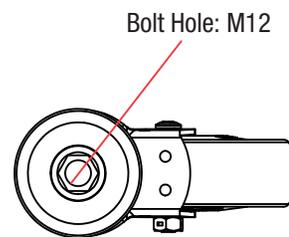
PLATE FITTINGS



**Total Lock**  
Reliable integrated braking system.



BOLT HOLE FITTINGS



### TECHNICAL DATA

**80mm, 100mm, 125mm**

	 Fixed plate (mm)	 Swivel plate (mm)
Fitting option		
Standard dimension	85×104	85×104
Plate hole centres	58×78 / 62×82	58×78 / 62×82

**160mm, 200mm**

	 Fixed plate (mm)	 Swivel plate (mm)
Fitting option		
Standard dimension	110×135	110×135
Plate hole centres	75×100 / 85×110	75×100 / 85×110





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

# WHEELS

## FLEXIBLE SOLUTIONS FOR EVERY APPLICATION

Engineered for versatility and performance, Veloris wheels are precisely designed to meet demanding requirements, ensuring optimal performance and reliability in every use.

### 80mm, 100mm, 125mm



Hi-Tech  
Performa TPR



Hi-Tech  
Polyurethane



Rubber



Nylon

### 160mm, 200mm



Hi-Tech  
Performa TPR



Hi-Tech  
Polyurethane



Polyurethane on  
Aluminium



Nylon

# Wheel Selection

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## Hi-Tech Performa TPR Wheels (Grey)



**Hardness:**  
65(±5) Durometer Shore A scale.

Capacity up to 180 kg each

Wheel Dia. (mm)	Tread Width (mm)	Capacity Each (Kg)	Hub length (mm)	Bore Dia. (mm)	Wheel Bearing	Wheel Code
80	32	80	42	8	Single Ball Bearing	PL1K080
100	32	120	45	8	Single Ball Bearing	PL1K100
125	40	180	48	8	Single Ball Bearing	PL1K125



**Hardness:**  
65(±5) Durometer Shore A scale.

Capacity up to 280 kg each

Wheel Dia. (mm)	Tread Width (mm)	Capacity Each (Kg)	Hub length (mm)	Bore Dia. (mm)	Wheel Bearing	Wheel Code
160	50	225	61	13	Double Ball Bearing	PL4T160
200	50	280	61	13	Double Ball Bearing	PL4T200

## Hi-Tech Polyurethane Wheels



**Hardness:**  
95(±5) Durometer Shore A scale.

Capacity up to 250 kg each

Wheel Dia. (mm)	Tread Width (mm)	Capacity Each (Kg)	Hub length (mm)	Bore Dia. (mm)	Wheel Bearing	Wheel Code
80	35	150	42	8	Single Ball Bearing	UL2K080
100	35	230	45	8	Single Ball Bearing	UL2K100
125	35	250	48	8	Single Ball Bearing	UL2K125



**Hardness:**  
95(±5) Durometer Shore A scale.

Capacity up to 350 kg each

Wheel Dia. (mm)	Tread Width (mm)	Capacity Each (Kg)	Hub length (mm)	Bore Dia. (mm)	Wheel Bearing	Wheel Code
160	50	300	61	13	Double Ball Bearing	UL5T160
200	50	350	61	13	Double Ball Bearing	UL5T200

## Blue Elastic Rubber Wheels



**Hardness:**  
75(±5) Durometer Shore A scale.

Capacity up to 180 kg each

Wheel Dia. (mm)	Tread Width (mm)	Capacity Each (Kg)	Hub length (mm)	Bore Dia. (mm)	Wheel Bearing	Wheel Code
80	32	90	42	8	Single Ball Bearing	EL1K080
100	32	140	45	8	Single Ball Bearing	EL1K100
125	40	180	48	8	Single Ball Bearing	EL1K125

# Wheel Selection

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## Nylon Wheels



Capacity up to 250 kg each

Wheel Dia. (mm)	Tread Width (mm)	Capacity Each (Kg)	Hub length (mm)	Bore Dia. (mm)	Wheel Bearing	Wheel Code
80	35	150	42	8	Single Ball Bearing	NL3K080
100	35	230	45	8	Single Ball Bearing	NL3K100
125	35	250	48	8	Single Ball Bearing	NL3K125



Capacity up to 400 kg each

Wheel Dia. (mm)	Tread Width (mm)	Capacity Each (Kg)	Hub length (mm)	Bore Dia. (mm)	Wheel Bearing	Wheel Code
160	48	400	61	13	Roller Bearing	NL6R160
200	50	400	61	13	Roller Bearing	NL6R200

## Polyurethane on Aluminium Wheels



**Hardness:**  
95(±5) Durometer Shore A scale.

Capacity up to 700 kg each

Wheel Dia. (mm)	Tread Width (mm)	Capacity Each (Kg)	Hub length (mm)	Bore Dia. (mm)	Wheel Bearing	Wheel Code
160	50	550	61	13	Double Ball Bearing	CR3T160
200	50	700	61	13	Double Ball Bearing	CR3T200

Hi-Tech Performa TPR



Hi-Tech Performa TPR



Hi-Tech Polyurethane



Hi-Tech Polyurethane



Rubber



Nylon



Nylon



Polyurethane on Aluminium



# Light Duty Castor

## TECHNICAL DATA

Wheel Dia. (mm)	Tread Width (mm)	Capacity Each (kg)	Wheel Descriptions	Fixed Code	Swivel Code	Brake Code	Overall Height (mm)	Offset (mm)	Swivel/ Brake Radius (mm)	
	80	32	80	Hi-Tech Performa TPR	I63AZ-PL1K080	I62AZ-PL1K080	I62TZ-PL1K080	105	34	74/123
	100	32	120	Hi-Tech Performa TPR	I63AZ-PL1K100	I62AZ-PL1K100	I62TZ-PL1K100	128	34	84/124
	125	40	180	Hi-Tech Performa TPR	I63AZ-PL1K125	I62AZ-PL1K125	I62TZ-PL1K125	156	38	101/140
	80	35	150	Hi-Tech Polyurethane	I63AZ-UL2K080	I62AZ-UL2K080	I62TZ-UL2K080	105	34	74/123
	100	35	150	Hi-Tech Polyurethane	I63AZ-UL2K100	I62AZ-UL2K100	I62TZ-UL2K100	128	34	84/124
	125	35	180	Hi-Tech Polyurethane	I63AZ-UL2K125	I62AZ-UL2K125	I62TZ-UL2K125	156	38	101/140
	80	35	150	White Nylon	I63AZ-NL3K080	I62AZ-NL3K080	I62TZ-NL3K080	105	34	74/123
	100	35	150	White Nylon	I63AZ-NL3K100	I62AZ-NL3K100	I62TZ-NL3K100	128	34	84/124
	125	35	180	White Nylon	I63AZ-NL3K125	I62AZ-NL3K125	I62TZ-NL3K125	156	38	101/140
	80	32	90	Blue Elastic Rubber	I63AZ-EL1K080	I62AZ-EL1K080	I62TZ-EL1K080	105	34	74/123
	100	32	140	Blue Elastic Rubber	I63AZ-EL1K100	I62AZ-EL1K100	I62TZ-EL1K100	128	34	84/124
	125	40	180	Blue Elastic Rubber	I63AZ-EL1K125	I62AZ-EL1K125	I62TZ-EL1K125	156	38	101/140

## TECHNICAL DATA

Wheel Dia. (mm)	Tread Width (mm)	Capacity Each (kg)	Wheel Descriptions	Swivel Code	Brake Code	Overall Height (mm)	Offset (mm)	Swivel/ Brake Radius (mm)	Bolt Hole Size	
	80	32	80	Hi-Tech Performa TPR	I61AZ-PL1K080	I61TZ-PL1K080	105	34	74/123	M12
	100	32	120	Hi-Tech Performa TPR	I61AZ-PL1K100	I61TZ-PL1K100	128	34	84/124	M12
	125	40	180	Hi-Tech Performa TPR	I61AZ-PL1K125	I61TZ-PL1K125	156	38	101/140	M12
	80	35	150	Hi-Tech Polyurethane	I61AZ-UL2K080	I61TZ-UL2K080	105	34	74/123	M12
	100	35	150	Hi-Tech Polyurethane	I61AZ-UL2K100	I61TZ-UL2K100	128	34	84/124	M12
	125	35	180	Hi-Tech Polyurethane	I61AZ-UL2K125	I61TZ-UL2K125	156	38	101/140	M12
	80	35	150	White Nylon	I61AZ-NL3K080	I61TZ-NL3K080	105	34	74/123	M12
	100	35	150	White Nylon	I61AZ-NL3K100	I61TZ-NL3K100	128	34	84/124	M12
	125	35	180	White Nylon	I61AZ-NL3K125	I61TZ-NL3K125	156	38	101/140	M12
	80	32	90	Blue Elastic Rubber	I61AZ-EL1K080	I61TZ-EL1K080	105	34	74/123	M12
	100	32	140	Blue Elastic Rubber	I61AZ-EL1K100	I61TZ-EL1K100	128	34	84/124	M12
	125	40	180	Blue Elastic Rubber	I61AZ-EL1K125	I61TZ-EL1K125	156	38	101/140	M12

# Medium Duty Castor

## TECHNICAL DATA

Wheel Dia. (mm)	Tread Width (mm)	Capacity Each (kg)	Wheel Descriptions	Fixed Code	Swivel Code	Brake Code	Overall Height (mm)	Offset (mm)	Swivel/ Brake Radius (mm)	
	<b>160</b>	50	225	Hi-Tech Performa TPR	I63AZ-PL4T160	I62AZ-PL4T160	I62TZ-PL4T160	195	53	133/167
	<b>200</b>	50	280	Hi-Tech Performa TPR	I63AZ-PL4T200	I62AZ-PL4T200	I62TZ-PL4T200	235	53	153/167
	<b>160</b>	50	300	Hi-Tech Polyurethane	I63AZ-UL5T160	I62AZ-UL5T160	I62TZ-UL5T160	195	53	133/167
	<b>200</b>	50	350	Hi-Tech Polyurethane	I63AZ-UL5T200	I62AZ-UL5T200	I62TZ-UL5T200	235	53	153/167
	<b>160</b>	48	400	White Nylon	I63AZ-NL6R160	I62AZ-NL6R160	I62TZ-NL6R160	195	53	133/167
	<b>200</b>	50	400	White Nylon	I63AZ-NL6R200	I62AZ-NL6R200	I62TZ-NL6R200	235	53	153/167
	<b>160</b>	50	400	Polyurethane on Aluminium	I63AZ-CR3T160	I62AZ-CR3T160	I62TZ-CR3T160	195	53	133/167
	<b>200</b>	50	400	Polyurethane on Aluminium	I63AZ-CR3T200	I62AZ-CR3T200	I62TZ-CR3T200	235	53	153/167

## TECHNICAL DATA

Wheel Dia. (mm)	Tread Width (mm)	Capacity Each (kg)	Wheel Descriptions	Swivel Code	Brake Code	Overall Height (mm)	Offset (mm)	Swivel/ Brake Radius (mm)	Bolt Hole Size	
	<b>160</b>	50	225	Hi-Tech Performa TPR	I61AZ-PL4T160	I61TZ-PL4T160	195	53	133/167	M12
	<b>200</b>	50	280	Hi-Tech Performa TPR	I61AZ-PL4T200	I61TZ-PL4T200	235	53	133/167	M12
	<b>160</b>	50	300	Hi-Tech Polyurethane	I61AZ-UL5T160	I61TZ-UL5T160	195	53	133/167	M12
	<b>200</b>	50	350	Hi-Tech Polyurethane	I61AZ-UL5T200	I61TZ-UL5T200	235	53	133/167	M12
	<b>160</b>	48	400	White Nylon	I61AZ-NL6R160	I61TZ-NL6R160	195	53	133/167	M12
	<b>200</b>	50	400	White Nylon	I61AZ-NL6R200	I61TZ-NL6R200	235	53	133/167	M12
	<b>160</b>	50	400	Polyurethane on Aluminium	I61AZ-CR3T160	I61TZ-CR3T160	195	53	133/167	M12
	<b>200</b>	50	400	Polyurethane on Aluminium	I61AZ-CR3T200	I61TZ-CR3T200	235	53	133/167	M12



# APPLICATIONS

**VERSATILE. RELIABLE. AFFORDABLE.**



Road Cases



Utility Carts



Dollies



Sensitive Equipment



Display Units



Food Service Carts



# 42

42 facilities

# 14

14 countries

# 192K

192k castors shipped daily.

## A PARTNER YOU CAN RELY ON



### Dependable Supply

With 42 facilities in 14 countries around the world, Colson Group has the robust supply chain to be able to meet your needs.



### ROHS Compliant

Our products are manufactured without harmful or hazardous materials to protect the public health and the environment.



### Proven Performance

Products are manufactured in controlled environments. We have systems and procedures in place to ensure our high standards are maintained.

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