



SOLUTIONS FOR AGV CASTOR AND WHEEL

DURABLE, CUSTOMIZABLE, RELIABLE



www.colsonchina.com
marketing@colsonchina.com

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

MANUFACTURING



With advanced manufacturing and distribution facilities located around the world, we continuously invest in our proprietary castor product series to provide customers with the highest quality products and services.

ENGINEERING



Utilising the latest technologies, Colson Group design and engineering teams ensure every detail in product performance, materials, and aesthetics are delivered to meet and exceed industry and customer expectations.

SERVICE



Delivering truly one-stop shopping, our experienced inside and outside support teams help customers identify the right castor from our leading product portfolio to ensure your expectations and business requirements are met on every order.

QUALITY



As an active ICWM member, we help define industry testing standards (ISO9001:2015 ANSI ICWM: 2012, EN12532). Leading test labs and global quality systems confirm our castors meet stringent quality standards, allowing up to a 3-year standard warranty on select series.



ACCREDITATION AND AFFILIATES



National Sanitation
Foundation for Food Service



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



EXPERTS IN AGV CASTOR SOLUTIONS

Capacity up to **3500 kg**

Complete Product Range

We offer a full AGV castor and wheel lineup with load capacities ranging from **50 kg to 3500 kg**, suitable for light-duty to heavy-duty AGV and AMR applications.

- /// Excellent Durability & Long Service Life
- /// Low Rolling Resistance & Energy Efficiency
- /// Flexible Customization Capability
- /// Global Application Experience



THE MOST TRUSTED SOLUTION IN THE WORLD

www.colsonchina.com



AGV

CASTOR

Capacity up to **3500 kg**



Features

Heavy-Duty Reinforced Frame and Base Plate

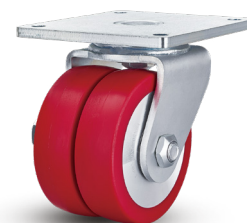
Provides excellent resistance to load, pressure, and abrasion.

Differential Dual-Wheel System

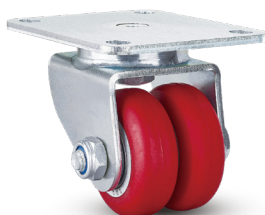
Allows flexible zero-radius turning with improved maneuverability.

High-Performance Polyurethane Wheels

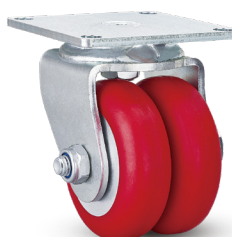
Built to provide long-lasting durability, quiet operation, and reduced motor stress for enhanced AGV performance.



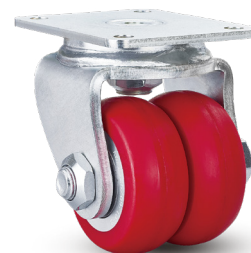
AGV-50



AGV-150



AGV-250



AGV-300

Standard Load Castors

	 Capacity Each (Kg)	 Wheel Dia. (mm)	 Tread Width (mm)	 Code	 Overall Height (mm)	 Offset (mm)	 Swivel Radius (mm)	 Top Plate Dimension (mm)	 Top Plate Thickness (mm)	 Bolt Hole Spacing (mm)	 Bolt Diameter (mm)
AGV-50	50	35	15	PU0101CN02	52	18	39	60×60	2.5	43×43	Ø7
AGV-150	150	55	20	PU0203CN01	79	20	51	100×80	3.5	76/80×60	Ø9
AGV-250	250	76	24	PU0311CN05	100	20	62	85×85	4	70×70	Ø9
AGV-300	300	75	30	PU0311CN73	107	20	62	104×82	6	82×60	Ø9

AGV CASTOR SERIES



AGV-400



AGV-500



AGV-600



AGV-700



AGV-800

Medium Load Castors

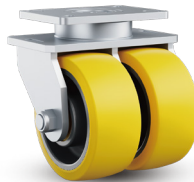
	 Capacity Each (Kg)	 Wheel Dia. (mm)	 Tread Width (mm)	 Code	 Overall Height (mm)	 Offset (mm)	 Swivel Radius (mm)	 Top Plate Dimension (mm)	 Top Plate Thickness (mm)	 Bolt Hole Spacing (mm)	 Bolt Diameter (mm)
AGV-400	400	80	35	PU0311CN45	111	25	71	125×125	6	98×98	Ø11
AGV-500	500	80	35	PU0311CN26	111	25	75	125×125	6	98×98	Ø11
AGV-600	600	125	35	PU0522CN09	160	30	100	110×100	8	75×75	Ø11
AGV-700	700	120	35	PU0522CN10	152	35	100	150×135	8	120×110	Ø11
AGV-800	800	120	40	PU0701CN02	155	30	97	150×135	8	120×110	Ø11



AGV-1000



AGV-1500



AGV-2000



AGV-2500



AGV-3500

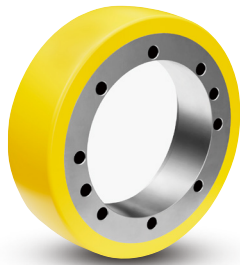
Heavy Load Castors

	 Capacity Each (Kg)	 Wheel Dia. (mm)	 Tread Width (mm)	 Code	 Overall Height (mm)	 Offset (mm)	 Swivel Radius (mm)	 Top Plate Dimension (mm)	 Top Plate Thickness (mm)	 Bolt Hole Spacing (mm)	 Bolt Diameter (mm)
AGV-1000	1000	150	51	PU0622CN03	204	42	135	184×133	10	133/156×86/105	Ø14
AGV-1500	1500	148	76	PU0633CN00	202	57	155	184×133	10	133/156×86/105	Ø14
AGV-2000	2000	180	76	PU0755CN02	233	57	170	184×133	10	133/156×86/105	Ø14
AGV-2500	2500	203	76	PU0855CN00	276	65	195	209×209	12	150/165×150/165	Ø18
AGV-3500	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.



TYPICAL APPLICATIONS



Automotive Industry

Automated Guided Vehicles (AGV)
Autonomous Mobile Robots (AMR)



Robots Industry

Collaborative robots



Intralogistics Industry

Warehousing handling
Unmanned forklift truck



Aviation Industry

Overloading
Super-overloading



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.

www.colsonchina.com
marketing@colsonchina.com