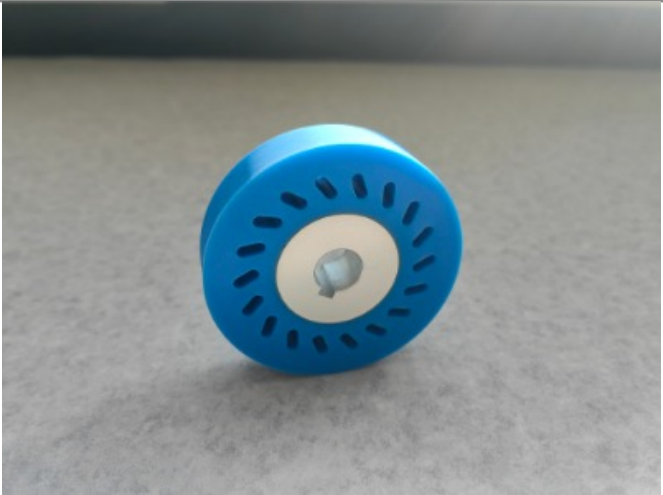
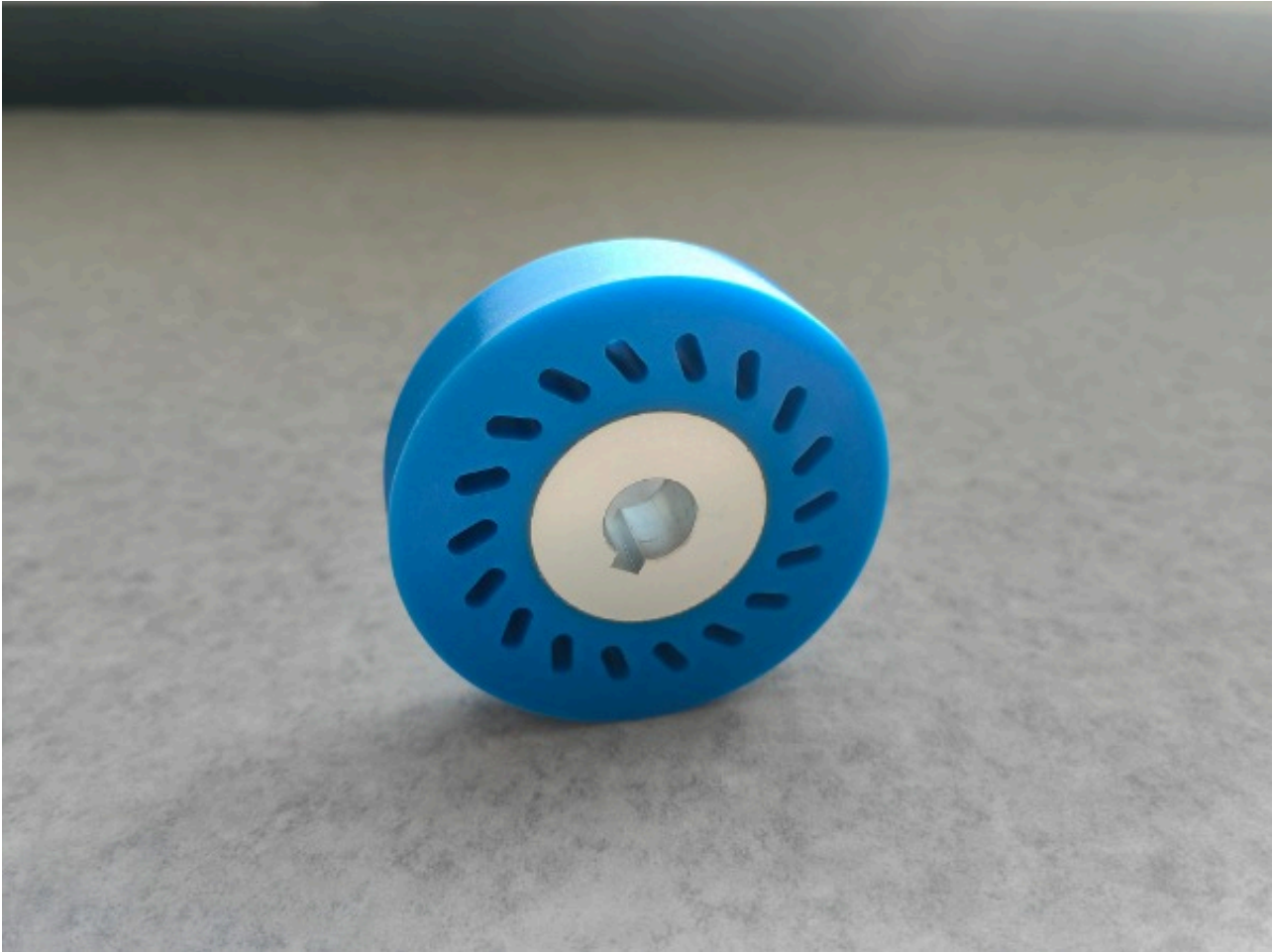

Keyway-mounted Polyurethane AGV Wheels

Title	Keyway-mounted Polyurethane AGV Wheels
Thumb	
Address	Anfeng Industrial Park, Dongtai City, Jiangsu, China
Website	https://www.poly-wheels.com/
Email	sale06@kfqizhongji.com

Description

In demanding industrial automation environments, traditional hub mounting methods are replaced by vulcanized elastomers. Clonon mechanical transmission with high



Guided vehicle (AGV) operations, a benchmark for reliability and stability in Automated

Core Technical Advantages

1. **Zero-Slip Precision Power Transmission:** The absolute zero relative rotation between the wheel and the drive shaft, ensures 100% torque efficiency, braking, or heavy load startups.

2. **Eliminated Micro-Stiction:** Completely resolves the slight rotational shifting often associated with traditional press-fit methods, enhancing accuracy during tracking.

3. **Rigid Yet Flexible Load Resistance:** By vulkollan®, this design offers a unique intersection of superior shock absorption, effortlessly dampens impacts from steel plate seams, track

The Vulkollan® Advantage: Built for Extremes

Known for the Roll-Royce properties of polyurethanes, Vulkollan® provides these wheels with extended service life: wear resistance is 3-5 times higher than standard polyurethane wheels.

6. **Chemical Resilience:** Exceptional resistance to oils, greases, lubricants, and mild acids or bases.
7. **Thermal Stability:** Maintains consistent physical properties across a wide temperature range from -50°C to +80°C without hardening or softening.

Technical Parameters

Model	Wheel Dimension (mm)	Wheel Width (mm)	Install Diameter (mm)	
AGV13 0/50	130	50	106	
AGV14 4/32	144	32	95	
AGV16 0/40	160	40	38	
AGV16 5/37	165	37	93	
AGV17 0/40	170	40	63	
AGV17 7/37	177	37	93	
AGV18 0/50	180	50	35	
AGV19 0/40	190	40	20	
AGV19 0/55	190	55	120	
AGV20	200	42	115	

0/42				
AGV21	210	50	40	
0/50				
AGV25	250	55	35	
0/55				

Industry-Specific Application Scenarios

Semiconductor & Electronics (Cleanroom): With 100% cleanroom air pressure, strictest contamination standards. Yulkalan® wheels meet the

Automotive Assembly Lines: Wheel-mounted AGVs transport stop-locks precision, preventing assembly errors caused by slight slippage.

Aerospace & Heavy Machinery: Transporting large composite components or massive keyway connectors remains rock-solid. Yulkalan® wheels resist metal debris or welding spatter.

Conclusion

Yulkalan® Keyway Mounted AGV Wheels are the trusted choice for high-precision, high-efficiency, safety, and uptime. Ensure your automated systems operate with maximum