



# 1163-1 Series 重型

## 左右平衡轮系列

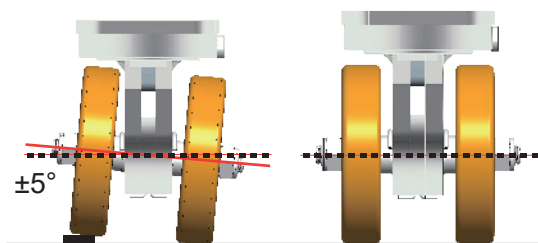
### Self-balancing Caster

- 左右平衡轮拥有最新开发的左右平衡结构，轮子以轮轴为中心，能依地面平坦度自由倾斜，同时脚架依然保持平衡状态，有效减少转向时车台的摇晃频率。两个轮子同时受力以延长轮子及配件寿命，脚架内部设有弹性功能和有明显降噪功能。得胜左右平衡轮脚架采用高钢性板材，热处理珠道配合推力球轴承来达到极高的荷重和灵活度及长时间的使用寿命。结构优化及大的降低安装高度，确保低重心要求，适用于 AMR/AGV 行业。
- Der Sheng's Self-balancing Caster has the newly developed tilting structure which can tilt freely according to the flatness of the ground while at the same time, it also maintains stability and effectively reduces the wobble of the caster when rotating. Two wheels are under force at the same time minimize wear and tear, thus extending service life. The caster design features elastic and noise reduction functions. Dersheng's Self-balancing Caster fork is made of high tensile steel with harden raceway to provide long lasting service life and extreme high load capacity while maintaining low profile and overall height. It is suitable for application like AMR/AGV and robotic industry products.

载重 Load  
150-700 kg



#### 特色区 Features

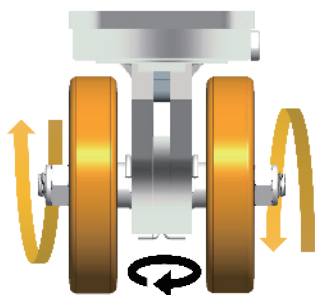


脚轮在 $\pm 5^\circ$ 内能自由倾斜，轻松越过凹凸不平的地面与小型障碍物，并能保持平稳，增加对负载物品的保护。

The caster can tilt freely in the range of  $\pm 5^\circ$  from its central axis, it can easily cross uneven ground and small obstacles, also can maintain stability and protect the loaded products.

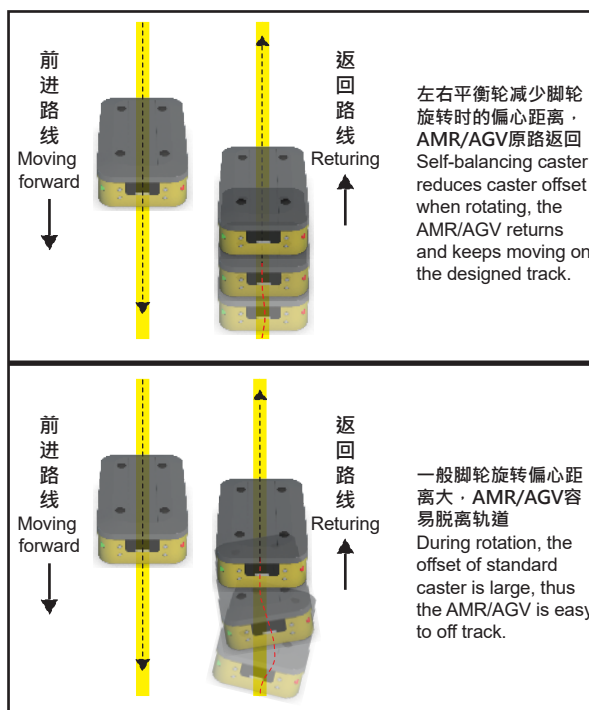
轮子间距大，在旋转寻找方位时，轮子一正一反旋转，到了定点方向后，才开始同一方向前进，此结构能有效避免 AMR/AGV 脱离行驶轨道。

The split wheel rotates in different directions when AMR/AGV rotates, after reaching the position, they start to rotate in the same direction. This structure can effectively reduce caster offset and prevent the AMR/AGV from leaving the track.



双轮设计有效减少旋转时的偏心距离，避免 AMR/AGV 脱离轨道

The dual wheels structure effectively reduce caster offset when rotating, and prevent the AMR/AGV from leaving the track













## » 轮子选项 Wheel Options

EQPU轮  
EQPU铁芯XPU  
XPU on Iron CoreZQPU轮  
ZQPU滚珠轴承  
Ball Bearing

## » 底板规格 TOP PLATE SIZE AND BOLT HOLE SPACING

规格 Size	底板尺寸 Top Plate Size	底板孔距 Bolt Hole Spacing	安装尼帽尺寸 Attaching Bolt Size
2"	62 x 90 mm (2-1/2" x 3-1/2")	44.5 x 73 mm 1-3/4" x 3-1/8"	8mm (5/16")
2" 2.5" 3"	64 x 96 mm (2-1/2" x 3-25/32")	45 x 75 mm (高级底板) 1-3/4" x 3"	6.35mm (1/4")
2" 2.5" 3" 3.2" 4" 5" 6"	85 x 110mm(3-5/16" x 4-11/32")	60 x 80mm (欧规底板) 2-3/8" x 3-7/8" (European Plate)	8mm (5/16")
3.2" 4" 5" 6"	110 x 140 mm (4-11/32" x 5-1/2")	75 x 110 mm (B型底板) (2-15/16" x 4-11/32")	12 mm (1/2")

	 轮径x轮宽 DiameterxWidth	 载重 Load	 材质 Material	 型号 Item No. 活动 Swivel	 轴承 Bearing	 总高 Overall Height	 偏心距 Offset	 回旋半径 Swivel radius
轻型 Light Duty	50mm x 20mm (2"x 0.79")	70kgs (154 lbs)	ZQPU轮 ZQPU	1163(1)-02-115-2	滚珠轴承 Ball Bearing	79 mm	20.5 mm	55 mm
	62.5mm x 20mm (2.5"x 0.79")	150kgs (330 lbs)	ZQPU轮 ZQPU	1163(1)-25-115-2		94 mm	24 mm	65 mm
	75mm x 20mm (3"x 0.79")	180kgs (396 lbs)	ZQPU轮 ZQPU	1163(1)-03-115-2		105 mm	22 mm	69 mm
中型 Medium Duty	75mm x 30mm (3"x 1.18")	300kgs (660 lbs)	QPU轮 QPU	1163(1)-03-81-2	滚珠轴承 Ball Bearing	105 mm	22 mm	72 mm
	100mm x 22mm (4"x 0.87")	280kgs (616 lbs)	ZQPU轮 ZQPU	1163(1)-04-115-2		130 mm	30 mm	91 mm
	125mm x 24mm (5"x 1")	330kgs (726 lbs)	ZQPU轮 ZQPU	1163(1)-05-115-2		155 mm	33 mm	104 mm
	150mm x 24mm (6"x 1")	380kgs (836 lbs)	ZQPU轮 ZQPU	1163(1)-06-115-2		180 mm	35 mm	118 mm
重型 Heavy Duty	80mm x 35mm (3.2"x 1.38")	400kgs (880 lbs)	XPU轮 XPU	1163(1)-03-96-2	滚珠轴承 Ball Bearing	110 mm	30 mm	90 mm
	100mm x 32mm (4"x 1.26")	400kgs (880 lbs)	QPU轮(弧) QPU (Round)	1163(1)-04-81-2		130 mm	30 mm	99 mm
超重型 Extra Heavy Duty	80mm x 42mm (3.2"x 1.65")	550kgs (1210 lbs)	XPU轮 XPU	1163(1)-03-96-2(1)	滚珠轴承 Ball Bearing	110 mm	30 mm	93 mm
	125mm x 40mm (5"x 1.57")	600kgs (1320 lbs)	EQPU轮(弧) EQPU (Round)	1163(1)-05-81-2		155 mm	33 mm	113 mm
	150mm x 42mm (6"x 1.65")	700kgs (1540 lbs)	EQPU轮(弧) EQPU (Round)	1163(1)-06-81-2		180 mm	35 mm	127 mm