



1163-1 Series 重型

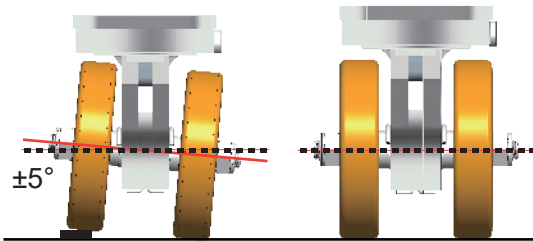
左右平衡輪系列 Self-balancing Caster

- 左右平衡輪擁有最新開發的左右平衡結構，輪子以輪軸為中心，能依地面平坦度自由傾斜，同時腳架依然保持平衡狀態，有效減少轉向時車台的搖晃頻率。兩個輪子同時受力以延長輪子及配件壽命，腳架內部設有彈性功能和有明顯降噪功能。得胜左右平衡輪腳架採用高鋼性板材，熱處理珠道配合推力球軸承來達到極高的荷重和靈活度及長時間的使用壽命。結構優化及大的降低安裝高度，確保低重心要求，適用於 AMR/AGV 行業。
- 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.

載重 Load
150-700 kg



▶▶ 特色區 Features

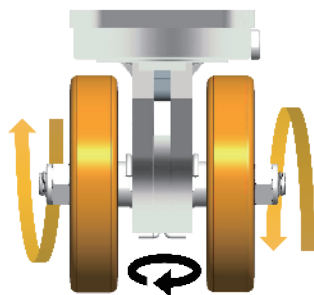


腳輪在±5°內能自由傾斜，輕鬆越過凹凸不平的地面與小型障礙物，並能保持平穩，增加對負載物品的保護。

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

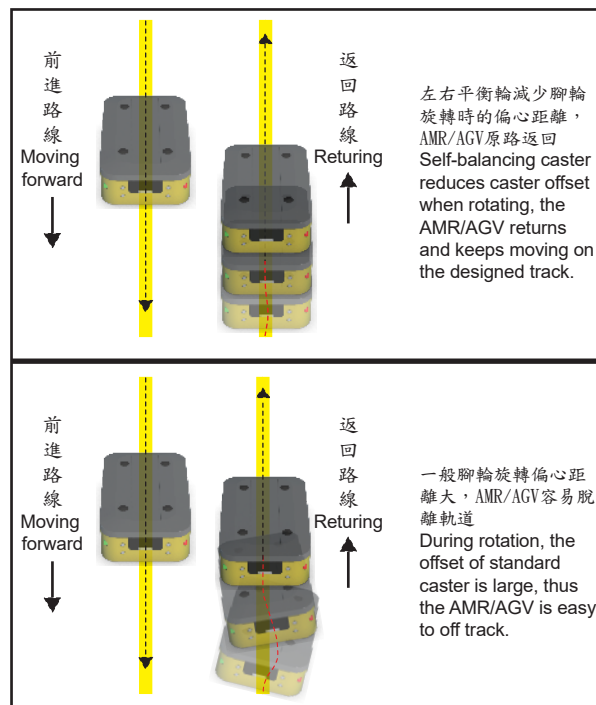
輪子間距大，在旋轉尋找方位時，輪子一正一反旋轉，到了定點方向後，才開始同一方向前進，此結構能有效避免 AMR/AGV 脫離行駛軌道。

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.



雙輪設計有效減少旋轉時的偏心距離，避免AMR/AGV脫離軌道

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





輪子選項 Wheel Options



EQPU輪
EQPU



鐵芯XPU
XPU on Iron Core



ZQPU輪
ZQPU



滾珠軸承
Ball Bearing

底板規格 TOP PLATE SIZE AND BOLT HOLE SPACING

規格 Size	底板尺寸 Top Plate Size	底板孔距 Bolt Hole Spacing	安裝尼帽尺寸 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 (高級底板) 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 (歐規底板) 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")

	輪徑×輪寬 Diameter×Width	載重 Load	材質 Material	品號 Item No. 活動 Swivel	軸承 Bearing	總高 Overall Height	偏心距 Offset	迴旋半徑 Swivel radius
	輕型 Light Duty	50mm x 20mm (2"x 0.79")	70kgs (154 lbs)	ZQPU輪 ZQPU	1163(1)-02-115-2	滾珠軸承 Ball Bearing	79 mm	20.5 mm
	62.5mm x 20mm (2.5"x 0.79")	150kgs (330 lbs)	ZQPU輪 ZQPU	1163(1)-25-115-2	94 mm		24 mm	65 mm
	75mm x 20mm (3"x 0.79")	180kgs (396 lbs)	ZQPU輪 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輪 QPU	1163(1)-03-81-2	滾珠軸承 Ball Bearing	105 mm	22 mm	72 mm
	100mm x 22mm (4"x 0.87")	280kgs (616 lbs)	ZQPU輪 ZQPU	1163(1)-04-115-2		130 mm	30 mm	91 mm
	125mm x 24mm (5"x 1")	330kgs (726 lbs)	ZQPU輪 ZQPU	1163(1)-05-115-2		155 mm	33 mm	104 mm
	150mm x 24mm (6"x 1")	380kgs (836 lbs)	ZQPU輪 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輪 XPU	1163(1)-03-96-2	滾珠軸承 Ball Bearing	110 mm	30 mm	90 mm
	100mm x 32mm (4" x 1.26")	400kgs (880 lbs)	QPU輪 (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輪 XPU	1163(1)-03-96-2(1)	滾珠軸承 Ball Bearing	110 mm	30 mm	93 mm
	125mm x 40mm (5" x 1.57")	600kgs (1320 lbs)	EQPU輪 (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輪 (弧) EQPU (Round)	1163(1)-06-81-2		180 mm	35 mm	127 mm