



1163 Series 重型

曲軸平衡腳輪系列 Eccentric Caster

- 得勝曲軸平衡腳輪是一款高性能腳輪，能夠減少推車或拉車時所需的推力，並大幅降低轉向腳輪鎖死發生的機會。得勝曲軸平衡腳輪架轉向結構提供了二處定位點，更有效的減低台車在移動時的啟動力。所以在有效降低被鎖死的問題和減低啟動力下，得勝曲軸平衡腳輪更適用於 AMR/AGV 行業或是其它需要高荷重但也需求輕鬆推動的手推車與設備上面。
- Der Sheng's Eccentric Caster is a highly engineered caster designed to reduce the force needed to push or pull carts. The swivel caster design features with two precision machined offsetting ball races in a compact assembly to minimize the caster lock up issue happened from time to time. A typical swivel assembly in a caster has only one pivot point. The Der Sheng's Eccentric caster essentially provides a second pivot point that reduces the startup force to get the cart moving when lock up in present. By minimizing the lock up issue and reducing the startup force. Der Sheng's Eccentric Caster is especially fit for application like AMR/AGV and Cart/Equipments carrying extra heavy load while requiring effortless maneuverability.

載重 Load
200-1100 kg



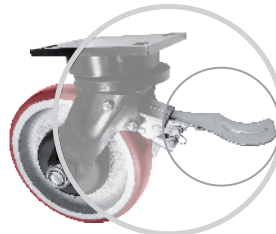
特色區 Features



輪子可附金屬防塵蓋(供選擇)
Metal Thread Guard (optional)



輪子可附塑膠防塵蓋(供選擇)
Plastic Thread Guard (optional)



BCD煞(中煞)
Swivel W/Center Lock Brake



PU輪面可以變化硬度
Different PU
Tread hardness available

輪子選項 Wheel Options

鐵芯聚氨酯
PU on Cast



APU輪
PU on AL Core



鐵芯NBR橡膠輪
NBR Rubber on Cast



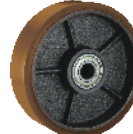
尼龍輪
Nylon



WMRC輪
WMRC



QPU輪
QPU



ZQPU輪(雙輪)
ZQPU (Dual Wheels)



EPU輪
EPU



VQPU輪
VQPU



環保NBR橡膠輪
Non-marking Rubber on Cast



鐵芯聚氨酯 (2050A/2050B)
PU on Cast (2050A/2050B)



EQPU輪
EQPU



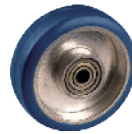
VPU輪
VPU



鐵芯VXPU
XPU on Iron Core



鋁芯QQ橡膠輪
Resilient rubber on AL Core



環保牽引NBR
Non-marking NBR Rubber
on Cast



鋁芯AQPU
QPU on AL Core



滾珠軸承
Ball Bearing









底 板 規 格 TOP PLATE SIZE AND BOLT HOLE SPACING

腳輪尺寸 Caster Size	底板尺寸 Top Plate Size	底板孔距 Bolt Hole Spacing	安裝尼帽尺寸 Attaching Bolt Size
4"	90 x 120 mm (3-17/32" x 4-23/32")	60 x 90 mm (2-3/8" x 3-17/32")	11 mm (7/16")
5,6,8"	110 x 140 mm (4-11/32" x 5-1/2")	75 x 110 mm(常規標準底板) (2-15/16" x 4-11/32")	12 mm (1/2")

輪徑×輪寬 Diameter×Width	載重 Load	材質 Material	型號			軸承 Bearing	總高 Overall Height	迴旋半徑 Swivel radius
			固定	活動	煞車			
100mm x 32mm (4"x1-1/4")	250 kgs (550 lbs)	尼龍輪 Nylon	1163-04-07-1	1163-04-07-2	1163-04-07-4	滾珠軸承 Ball Bearing	147mm (5-25/32")	活動 116mm BCD煞 116mm Swivel 116mm Swivel W/Center Lock Brake 116mm
100mm x 34mm (4"x1-3/8")	335 kgs (735 lbs)	QPU輪(圓弧) QPU (Round)	1163-04-80-1	1163-04-80-2	1163-04-80-4			
	385 kgs (845 lbs)	QPU輪(平面) QPU (Flat)	1163-04-80-1	1163-04-80-2	1163-04-80-4			
100mm x 36mm (4"x1-7/16")	250 kgs (550 lbs)	鐵芯聚氨酯 PU on Cast	1163-04-33-1	1163-04-33-2	1163-04-33-4			
	250 kgs (550 lbs)	APU輪(圓弧) PU on AL Core (Round)	1163-04-108-1	1163-04-108-2	1163-04-108-4			
	300 kgs (660 lbs)	鋁芯AQPUP輪(圓弧) QPU on AL Core (Round)	1163-04-87-1	1163-04-87-2	1163-04-87-4			
100mm x 38mm (4"x1-1/2")	200 kgs (440 lbs)	鐵芯NBR橡膠輪 NBR Rubber on Cast	1163-04-04-1	1163-04-04-2	1163-04-04-4			
	200 kgs (440 lbs)	環保NBR橡膠輪 Non-marking Rubber on Cast	1163-04-11-1	1163-04-11-2	1163-04-11-4			
	200 kgs (440 lbs)	環保牽引NBR輪 Non-marking NBR Rubber on Cast	1163-04-90-1	1163-04-90-2	1163-04-90-4			
100mm x 40mm (4"x1-9/16")	275 kgs (600 lbs)	APU輪(圓弧) PU on AL Core (Round)	1163-04-108-1	1163-04-108-2	1163-04-108-4			
	200 kgs (440 lbs)	鋁芯QQ橡膠輪 Recilent rubber on AL Core	1163-04-89-1	1163-04-89-2	1163-04-89-4			
	325 kgs (715 lbs)	鋁芯AQPUP輪(圓弧) QPU on AL Core (Round)	1163-04-87-1	1163-04-87-2	1163-04-87-4			
100mm x 46.5mm (4"x1-13/16")	335 kgs (735 lbs)	ZQPU輪(雙輪) ZQPU (Dual Wheels)	1163-04-101-1	1163-04-101-2	1163-04-101-4	滾珠軸承 Ball Bearing	170mm (6-11/16")	活動 128.5mm BCD煞 128.5mm Swivel 128.5mm Swivel W/Center Lock Brake 128.5mm
125mm x 40mm (5"x1-9/16")	340 kgs (750 lbs)	鐵芯聚氨酯 PU on Cast	1163-05-33-1	1163-05-33-2	1163-05-33-4			
	300 kgs (660 lbs)	尼龍輪 Nylon	1163-05-07-1	1163-05-07-2	1163-05-07-4			
	300 kgs (660 lbs)	APU輪(圓弧) PU on AL Core (Round)	1163-05-108-1	1163-05-108-2	1163-05-108-4			
	350 kgs (770 lbs)	鋁芯AQPUP輪(圓弧) QPU on AL Core (Round)	1163-05-87-1	1163-05-87-2	1163-05-87-4			
	250 kgs (550 lbs)	鐵芯NBR橡膠輪 NBR Rubber on Cast	1163-05-04-1	1163-05-04-2	1163-05-04-4			
	250 kgs (550 lbs)	環保NBR橡膠輪 Non-marking Rubber on Cast	1163-05-11-1	1163-05-11-2	1163-05-11-4			
	250 kgs (550 lbs)	環保牽引NBR輪 Non-marking NBR Rubber on Cast	1163-05-90-1	1163-05-90-2	1163-05-90-4			
	450 kgs (990 lbs)	QPU輪(圓弧) QPU (Round)	1163-05-80-1	1163-05-80-2	1163-05-80-4			
	500 kgs (1100 lbs)	QPU輪(平面) QPU (Flat)	1163-05-80-1	1163-05-80-2	1163-05-80-4			
	340 kgs (750 lbs)	EPU輪(圓弧) EPU (Round Shape)	1163-05-78-1	1163-05-78-2	1163-05-78-4			
	390 kgs (860 lbs)	EPU輪(平面) EPU (Flat Shape)	1163-05-78-1	1163-05-78-2	1163-05-78-4			
	450 kgs (990 lbs)	EQPU輪(圓弧) EQPU (Round Shape)	1163-05-81-1	1163-05-81-2	1163-05-81-4			
	500 kgs (1100 lbs)	EQPU輪(平面) EQPU (Flat Shape)	1163-05-81-1	1163-05-81-2	1163-05-81-4			



 輪徑×輪寬 Diameter×Width	 載重 Load	 材質 Material	型號			 軸承 Bearing	 總高 Overall Height	 迴旋半徑 Swivel radius
			固定	活動	煞車			
125mm x 50mm (5" x 2")	400 kgs (880 lbs)	APU輪(平面) PU on AL Core (Flat)	1163-05-108-1	1163-05-108-2	1163-05-108-4	滾珠軸承 Ball Bearing	170mm (6-11/16")	活動 128.5mm BCD煞 128.5mm Swivel 128.5mm Swivel W/Center Lock Brake 128.5mm
	450 kgs (990 lbs)	鋁芯AQPUP輪(平面) QPU on AL Core (Flat)	1163-05-87-1	1163-05-87-2	1163-05-87-4			
	420 kgs (920 lbs)	QPU輪(平面) QPU (Flat)	1163-05-80-1	1163-05-80-2	1163-05-80-4			
	500 kgs (1100 lbs)	EQPU輪(圓弧) EQPU (Round)	1163-05-81-1	1163-05-81-2	1163-05-81-4			
	500 kgs (1100 lbs)	EPU輪(圓弧) EPU (Round)	1163-05-78-1	1163-05-78-2	1163-05-78-4			
125mm x 51mm (5" x 2")	450 kgs (990 lbs)	ZQPU輪(雙輪) ZQPU (Dual Wheels)	1163-05-101-1	1163-05-101-2	1163-05-101-4			
150mm x 40mm (6"x1-9/16")	400 kgs (880 lbs)	尼龍輪 Nylon	1163-06-07-1	1163-06-07-2	1163-06-07-4	滾珠軸承 Ball Bearing	197mm (7-3/4")	活動 153.5mm BCD煞 153.5mm Swivel 153.5mm Swivel W/Center Lock Brake 153.5mm
	350 kgs (770 lbs)	鐵芯NBR橡膠輪 NBR Rubber on Cast	1163-06-04-1	1163-06-04-2	1163-06-04-4			
	300 kgs (660 lbs)	環保NBR橡膠輪 Non-marking Rubber on Cast	1163-06-11-1	1163-06-11-2	1163-06-11-4			
	300 kgs (660 lbs)	環保牽引NBR輪 Non-marking NBR Rubber on Cast	1163-06-90-1	1163-06-90-2	1163-06-90-4			
	400 kgs (880 lbs)	WMRC輪 WMRC	1163-06-45-1	1163-06-45-2	1163-06-45-4			
150mm x 42mm (6"x1-5/8")	410 kgs (900 lbs)	鐵芯聚氨酯 PU on Cast	1163-06-33-1	1163-06-33-2	1163-06-33-4	滾珠軸承 Ball Bearing	197mm (7-3/4")	活動 153.5mm BCD煞 153.5mm Swivel 153.5mm Swivel W/Center Lock Brake 153.5mm
	400 kgs (880 lbs)	APU輪(圓弧) PU on AL Core (Round)	1163-06-108-1	1163-06-108-2	1163-06-108-4			
	450 kgs (990 lbs)	鋁芯AQPUP輪(圓弧) QPU on AL Core (Round)	1163-06-87-1	1163-06-87-2	1163-06-87-4			
	550 kgs (1200 lbs)	QPU輪(圓弧) QPU (Round)	1163-06-80-1	1163-06-80-2	1163-06-80-4			
	600 kgs (1320 lbs)	QPU輪(平面) QPU(Flat)	1163-06-80-1	1163-06-80-2	1163-06-80-4			
	500 kgs (1100 lbs)	VPU輪(圓弧) VPU (Round)	1163-06-82-1	1163-06-82-2	1163-06-82-4			
	670 kgs (1475 lbs)	VQPU輪(圓弧) VQPU (Round Shape)	1163-06-83-1	1163-06-83-2	1163-06-83-4			
	800 kgs (1760 lbs)	鐵芯VXPU輪(圓弧) XPU on Iron Core (Round)	1163-06-91-1	1163-06-91-2	1163-06-91-4			
	410 kgs (900 lbs)	EPU輪(圓弧) EPU (Round)	1163-06-78-1	1163-06-78-2	1163-06-78-4			
	460 kgs (1010 lbs)	EPU輪(平面) EPU (Flat)	1163-06-78-1	1163-06-78-2	1163-06-78-4			
	550 kgs (1200 lbs)	EQPU輪(圓弧) EQPU (Round)	1163-06-81-1	1163-06-81-2	1163-06-81-4			
	600 kgs (1320 lbs)	EQPU輪(平面) EQPU (Flat)	1163-06-81-1	1163-06-81-2	1163-06-81-4			
150mm x 50mm (6" x 2")	450 kgs (990 lbs)	APU輪(平面) PU on AL Core (Flat)	1163-06(50)-108-1	1163-06(50)-108-2	1163-06(50)-108-4	滾珠軸承 Ball Bearing	238mm (9-3/8")	活動 181.5mm BCD煞 181.5mm Swivel 181.5mm Swivel W/Center Lock Brake 181.5mm
	500 kgs (1100 lbs)	鋁芯AQPUP輪(平面) QPU on AL Core (Flat)	1163-06(50)-87-1	1163-06(50)-87-2	1163-06(50)-87-4			
	525 kgs (1155 lbs)	QPU輪(平面) QPU(Flat)	1163-06(50)-80-1	1163-06(50)-80-2	1163-06(50)-80-4			
	600 kgs (1320 lbs)	EPU輪(圓弧) EPU (Round)	1163-06(50)-78-1	1163-06(50)-78-2	1163-06(50)-78-4			
	600 kgs (1320 lbs)	EQPU輪(圓弧) EQPU (Round)	1163-06(50)-81-1	1163-06(50)-81-2	1163-06(50)-81-4			
150mm x 51mm (6" x 2")	550 kgs (1210 lbs)	ZQPU輪(雙輪) ZQPU (Dual Wheels)	1163-06-101-1	1163-06-101-2	1163-06-101-4			
180mm x 44mm (7" x 1-3/4")	450 kgs (990 lbs)	APU輪(圓弧) PU on AL Core (Round)	1163-07-108-1	1163-07-108-2	1163-07-108-4	滾珠軸承 Ball Bearing	238mm (9-3/8")	活動 181.5mm BCD煞 181.5mm Swivel 181.5mm Swivel W/Center Lock Brake 181.5mm
	600 kgs (1320 lbs)	鋁芯AQPUP輪(圓弧) QPU on AL Core (Round)	1163-07-87-1	1163-07-87-2	1163-07-87-4			



輪徑×輪寬 Diameter×Width	載重 Load	材質 Material	型號			軸承 Bearing	總高 Overall Height	迴旋半徑 Swivel radius
			固定	活動	煞車			
180mm x 50mm (7" x 2")	450 kgs (990 lbs)	鐵芯聚氨酯 PU on Cast	1163-07-33-1	1163-07-33-2	1163-07-33-4	滾珠軸承 Ball Bearing	238mm (9-3/8")	活動 181.5mm BCD煞 181.5mm Swivel 181.5mm Swivel W/Center Lock Brake 181.5mm
	600 kgs (1320 lbs)	QPU輪(圓弧) QPU(Round)	1163-07-80-1	1163-07-80-2	1163-07-80-4			
	650 kgs (1430 lbs)	VPU輪(圓弧) VPU (Round)	1163-07-82-1	1163-07-82-2	1163-07-82-4			
	650 kgs (1430 lbs)	鐵芯VXPU輪(圓弧) XPU on Iron Core (Round)	1163-07-91-1	1163-07-91-2	1163-07-91-4			
	650 kgs (1430 lbs)	VQPU輪(圓弧) VQPU (Round Shape)	1163-07-83-1	1163-07-83-2	1163-07-83-4			
200mm x 44mm (8"x1-3/4")	350 kgs (770 lbs)	鐵芯NBR橡膠輪 NBR Rubber on Cast	1163-08-04-1	1163-08-04-2	1163-08-04-4	滾珠軸承 Ball Bearing	248mm (9-3/4")	活動 191.5mm BCD煞 191.5mm Swivel 191.5mm Swivel W/Center Lock Brake 191.5mm
	350 kgs (770 lbs)	環保NBR橡膠輪 Non-marking Rubber on Cast	1163-08-11-1	1163-08-11-2	1163-08-11-4			
	350 kgs (770 lbs)	環保牽引NBR輪 Non-marking NBR Rubber on Cast	1163-08-90-1	1163-08-90-2	1163-08-90-4			
	400 kgs (880 lbs)	鋁芯QQ橡膠輪 Recilent rubber on AL Core	1163-08-89-1	1163-08-89-2	1163-08-89-4			
200mm x 50mm (8" x 2")	450 kgs (990 lbs)	鐵芯聚氨酯 PU on Cast	1163-08-33-1	1163-08-33-2	1163-08-33-4	滾珠軸承 Ball Bearing	248mm (9-3/4")	活動 191.5mm BCD煞 191.5mm Swivel 191.5mm Swivel W/Center Lock Brake 191.5mm
	450 kgs (990 lbs)	尼龍輪 Nylon	1163-08-07-1	1163-08-07-2	1163-08-07-4			
	750 kgs (1650 lbs)	鐵芯聚氨酯(2050A/2050B) PU on Cast (2050A/2050B)	1163-08-62-1	1163-08-62-2	1163-08-62-4			
	450 kgs (990 lbs)	WMRC輪 WMRC	1163-08-45-1	1163-08-45-2	1163-08-45-4			
	500 kgs (1100 lbs)	APU輪(圓弧) PU on AL Core (Round)	1163-08-108-1	1163-08-108-2	1163-08-108-4			
	550 kgs (1200 lbs)	APU輪(平面) PU on AL Core (Flat)	1163-08-108-1	1163-08-108-2	1163-08-108-4			
	650 kgs (1430 lbs)	鋁芯AQPU輪(圓弧) QPU on AL Core (Round)	1163-08-87-1	1163-08-87-2	1163-08-87-4			
	700 kgs (1540 lbs)	鋁芯AQPU輪(平面) QPU on AL Core (Flat)	1163-08-87-1	1163-08-87-2	1163-08-87-4			
	670 kgs (1475 lbs)	QPU輪(圓弧) QPU (Round)	1163-08-80-1	1163-08-80-2	1163-08-80-4			
	720 kgs (1580 lbs)	QPU輪(平面) QPU (Flat)	1163-08-80-1	1163-08-80-2	1163-08-80-4			
	670 kgs (1475 lbs)	VPU輪(圓弧) VPU (Round)	1163-08-82-1	1163-08-82-2	1163-08-82-4			
	800 kgs (1760 lbs)	VQPU輪(圓弧) VQPU (Round)	1163-08-83-1	1163-08-83-2	1163-08-83-4			
	1100 kgs (2420 lbs)	鐵芯VXPU輪(圓弧) XPU on Iron Core (Round)	1163-08-91-1	1163-08-91-2	1163-08-91-4			
	650 kgs (1430 lbs)	EPU輪(圓弧) EPU (Round Shape)	1163-08-78-1	1163-08-78-2	1163-08-78-4			
	700 kgs (1540 lbs)	EPU輪(平面) EPU (Flat Shape)	1163-08-78-1	1163-08-78-2	1163-08-78-4			
	750 kgs (1650 lbs)	EQPU輪(圓弧) EQPU (Round Shape)	1163-08-81-1	1163-08-81-2	1163-08-81-4			
800 kgs (1760 lbs)	EQPU輪(平面) EQPU (Flat Shape)	1163-08-81-1	1163-08-81-2	1163-08-81-4				
200mm x 51mm (8" x 2")	650 kgs (1430 lbs)	ZQPU輪(雙輪) ZQPU (Dual Wheels)	1163-08-101-1	1163-08-101-2	1163-08-101-4			