



1163 Series 重型

曲轴平衡脚轮系列

Eccentric Caster

- 得胜曲轴平衡脚轮是一款高性能脚轮，能够减少推车或拉车时所需的推力，并大幅降低转向脚轮死锁发生的机会。得胜曲轴平衡脚轮架转向结构提供了二处定位点，更有效的减低台车在移动时的启动力。所以在有效降低被死锁的问题和减低启动力下，得胜曲轴平衡脚轮更适用于 AMR/AGV 行业或是其它需要高荷重但也需求轻松推动的手推车与设备上。
- 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



特色区 Features



轮子可附金属防尘盖(供选择)
Metal Thread Guard (optional)



轮子可附塑料防尘盖(供选择)
Plastic Thread Guard (optional)



BCD刹(中刹)
Swivel W/Center Lock Brake



PU轮面可以变化硬度
Different PU
Tread hardness available

轮子选项 Wheel Options

铁芯聚氨酯
PU on Cast



APU轮
PU on AL Core



铁芯NBR橡胶轮
NBR Rubber on Cast



尼龙轮
Nylon



WMRC轮
WMRC



QPU轮
QPU



ZQPU轮(双轮)
ZQPU (Dual Wheels)



EPU轮
EPU



VQPU輪
VQPU



环保NBR橡胶轮
Non-marking Rubber on Cast



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



EQPU輪
EQPU



VPU輪
VPU



铁芯VXPU
XPU on Iron Core



铝芯QQ橡胶轮
Resilient rubber on AL Core



环保牵引NBR
Non-marking NBR Rubber on Cast



铝芯AQPU
QPU on AL Core



滚珠轴承
Ball Bearing



» 底板规格 TOP PLATE SIZE AND BOLT HOLE SPACING

脚轮尺寸 Caster Size	底板尺寸 Top Plate Size	底板孔距 Bolt Hole Spacing	安装尼帽尺寸 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(常规标准底板) (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			 轴承 Bearing	 总高 Overall Height	 回旋半径 Swivel radius
			固定	活动	刹车			
100mm x 32mm (4"x1-1/4")	250 kgs (550 lbs)	尼龙轮 Nylon	1163-04-07-1	1163-04-07-2	1163-04-07-4	滚珠轴承 Ball Bearing	147mm (5-25/32")	活动 116mm BCD 刹 116mm Swivel 116mm Swivel W/Center Lock Brake 116mm
100mm x 34mm (4"x1-3/8")	335 kgs (735 lbs)	QPU轮(圆弧) QPU (Round)	1163-04-80-1	1163-04-80-2	1163-04-80-4			
	385 kgs (845 lbs)	QPU轮(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)	铁芯聚氨酯 PU on Cast	1163-04-33-1	1163-04-33-2	1163-04-33-4			
	250 kgs (550 lbs)	APU轮(圆弧) PU on AL Core (Round)	1163-04-108-1	1163-04-108-2	1163-04-108-4			
	300 kgs (660 lbs)	铝芯AQPU轮(圆弧) 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)	铁芯NBR橡胶轮 NBR Rubber on Cast	1163-04-04-1	1163-04-04-2	1163-04-04-4			
	200 kgs (440 lbs)	环保NBR橡胶轮 Non-marking Rubber on Cast	1163-04-11-1	1163-04-11-2	1163-04-11-4			
	200 kgs (440 lbs)	环保牵引NBR轮 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轮(圆弧) PU on AL Core (Round)	1163-04-108-1	1163-04-108-2	1163-04-108-4			
	200 kgs (440 lbs)	铝芯QQ橡胶轮 Recilent rubber on AL Core	1163-04-89-1	1163-04-89-2	1163-04-89-4			
	325 kgs (715 lbs)	铝芯AQPU轮(圆弧) 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轮(双轮) ZQPU (Dual Wheels)	1163-04-101-1	1163-04-101-2	1163-04-101-4	滚珠轴承 Ball Bearing	170mm (6-11/16")	活动 128.5mm BCD 刹 128.5mm Swivel 128.5mm Swivel W/Center Lock Brake 128.5mm
125mm x 40mm (5"x1-9/16")	340 kgs (750 lbs)	铁芯聚氨酯 PU on Cast	1163-05-33-1	1163-05-33-2	1163-05-33-4			
	300 kgs (660 lbs)	尼龙轮 Nylon	1163-05-07-1	1163-05-07-2	1163-05-07-4			
	300 kgs (660 lbs)	APU轮(圆弧) PU on AL Core (Round)	1163-05-108-1	1163-05-108-2	1163-05-108-4			
	350 kgs (770 lbs)	铝芯AQPU轮(圆弧) QPU on AL Core (Round)	1163-05-87-1	1163-05-87-2	1163-05-87-4			
	250 kgs (550 lbs)	铁芯NBR橡胶轮 NBR Rubber on Cast	1163-05-04-1	1163-05-04-2	1163-05-04-4			
	250 kgs (550 lbs)	环保NBR橡胶轮 Non-marking Rubber on Cast	1163-05-11-1	1163-05-11-2	1163-05-11-4			
	250 kgs (550 lbs)	环保牵引NBR轮 Non-marking NBR Rubber on Cast	1163-05-90-1	1163-05-90-2	1163-05-90-4			
	450 kgs (990 lbs)	QPU轮(圆弧) QPU (Round)	1163-05-80-1	1163-05-80-2	1163-05-80-4			
	500 kgs (1100 lbs)	QPU轮(平面) QPU (Flat)	1163-05-80-1	1163-05-80-2	1163-05-80-4			
	340 kgs (750 lbs)	EPU轮(圆弧) EPU (Round Shape)	1163-05-78-1	1163-05-78-2	1163-05-78-4			
	390 kgs (860 lbs)	EPU轮(平面) EPU (Flat Shape)	1163-05-78-1	1163-05-78-2	1163-05-78-4			
	450 kgs (990 lbs)	EQPU轮(圆弧) EQPU (Round Shape)	1163-05-81-1	1163-05-81-2	1163-05-81-4			
	500 kgs (1100 lbs)	EQPU轮(平面) EQPU (Flat Shape)	1163-05-81-1	1163-05-81-2	1163-05-81-4			



 轮径x轮宽 Diameter×Width	 载重 Load	 材质 Material	型号			 轴承 Bearing	 总高 Overall Height	 回旋半径 Swivel radius
			固定	活动	刹车			
125mm x 50mm (5" x 2")	400 kgs (880 lbs)	APU轮(平面) PU on AL Core (Flat)	1163-05-108-1	1163-05-108-2	1163-05-108-4	滚珠轴承 Ball Bearing	170mm (6-11/16")	活动 128.5mm BCD制 128.5mm Swivel 128.5mm Swivel W/Center Lock Brake 128.5mm
	450 kgs (990 lbs)	铝芯AQPUP轮(平面) QPU on AL Core (Flat)	1163-05-87-1	1163-05-87-2	1163-05-87-4			
	420 kgs (920 lbs)	QPU轮(平面) QPU (Flat)	1163-05-80-1	1163-05-80-2	1163-05-80-4			
	500 kgs (1100 lbs)	EQPU轮(圆弧) EQPU (Round)	1163-05-81-1	1163-05-81-2	1163-05-81-4			
	500 kgs (1100 lbs)	EPU轮(圆弧) 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轮(双轮) 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)	尼龙轮 Nylon	1163-06-07-1	1163-06-07-2	1163-06-07-4	滚珠轴承 Ball Bearing	197mm (7-3/4")	活动 153.5mm BCD制 153.5mm Swivel 153.5mm Swivel W/Center Lock Brake 153.5mm
	350 kgs (770 lbs)	铁芯NBR橡胶轮 NBR Rubber on Cast	1163-06-04-1	1163-06-04-2	1163-06-04-4			
	300 kgs (660 lbs)	环保NBR橡胶轮 Non-marking Rubber on Cast	1163-06-11-1	1163-06-11-2	1163-06-11-4			
	300 kgs (660 lbs)	环保牵引NBR轮 Non-marking NBR Rubber on Cast	1163-06-90-1	1163-06-90-2	1163-06-90-4			
	400 kgs (880 lbs)	WMRC轮 WMRC	1163-06-45-1	1163-06-45-2	1163-06-45-4			
150mm x 42mm (6"x1-5/8")	410 kgs (900 lbs)	铁芯聚氨酯 PU on Cast	1163-06-33-1	1163-06-33-2	1163-06-33-4			
	400 kgs (880 lbs)	APU轮(圆弧) PU on AL Core (Round)	1163-06-108-1	1163-06-108-2	1163-06-108-4			
	450 kgs (990 lbs)	铝芯AQPUP轮(圆弧) QPU on AL Core (Round)	1163-06-87-1	1163-06-87-2	1163-06-87-4			
	550 kgs (1200 lbs)	QPU轮(圆弧) QPU (Round)	1163-06-80-1	1163-06-80-2	1163-06-80-4			
	600 kgs (1320 lbs)	QPU轮(平面) QPU (Flat)	1163-06-80-1	1163-06-80-2	1163-06-80-4			
	500 kgs (1100 lbs)	VPU轮(圆弧) VPU (Round)	1163-06-82-1	1163-06-82-2	1163-06-82-4			
	670 kgs (1475 lbs)	VQPU轮(圆弧) VQPU (Round Shape)	1163-06-83-1	1163-06-83-2	1163-06-83-4			
	800 kgs (1760 lbs)	铁芯VXPU轮(圆弧) XPU on Iron Core (Round)	1163-06-91-1	1163-06-91-2	1163-06-91-4			
	410 kgs (900 lbs)	EPU轮(圆弧) EPU (Round)	1163-06-78-1	1163-06-78-2	1163-06-78-4			
	460 kgs (1010 lbs)	EPU轮(平面) EPU (Flat)	1163-06-78-1	1163-06-78-2	1163-06-78-4			
	550 kgs (1200 lbs)	EQPU轮(圆弧) EQPU (Round)	1163-06-81-1	1163-06-81-2	1163-06-81-4			
	600 kgs (1320 lbs)	EQPU轮(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轮(平面) PU on AL Core (Flat)	1163-06(50)-108-1	1163-06(50)-108-2	1163-06(50)-108-4			
	500 kgs (1100 lbs)	铝芯AQPUP轮(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轮(平面) QPU (Flat)	1163-06(50)-80-1	1163-06(50)-80-2	1163-06(50)-80-4			
	600 kgs (1320 lbs)	EPU轮(圆弧) EPU (Round)	1163-06(50)-78-1	1163-06(50)-78-2	1163-06(50)-78-4			
	600 kgs (1320 lbs)	EQPU轮(圆弧) EQPU (Round)	1163-06(50)-81-1	1163-06(50)-81-2	1163-06(50)-81-4			
150mm x 51mm	550 kgs (1210 lbs)	ZQPU轮(双轮) 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轮(圆弧) PU on AL Core (Round)	1163-07-108-1	1163-07-108-2	1163-07-108-4	滚珠轴承 Ball Bearing	238mm (9-3/8")	活动 181.5mm BCD制 181.5mm Swivel 181.5mm Swivel W/Center Lock Brake 181.5mm
	600 kgs (1320 lbs)	铝芯AQPUP轮(圆弧) QPU on AL Core (Round)	1163-07-87-1	1163-07-87-2	1163-07-87-4			
180mm x 50mm (7" x 2")	450 kgs (990 lbs)	铁芯聚氨酯 PU on Cast	1163-07-33-1	1163-07-33-2	1163-07-33-4	滚珠轴承 Ball Bearing	238mm (9-3/8")	活动 181.5mm BCD制 181.5mm Swivel 181.5mm Swivel W/Center Lock Brake 181.5mm
	600 kgs (1320 lbs)	QPU轮(圆弧) QPU (Round)	1163-07-80-1	1163-07-80-2	1163-07-80-4			



 轮径x轮宽 DiameterxWidth	 载重 Load	 材质 Material	型号			 轴承 Bearing	 总高 Overall Height	 回旋半径 Swivel radius
			固定	活动	刹车			
180mm x 50mm (7" x 2")	450 kgs (990 lbs)	铁芯聚氨酯 PU on Cast	1163-07-33-1	1163-07-33-2	1163-07-33-4	滚珠轴承 Ball Bearing	238mm (9-3/8")	活动 181.5mm BCD刹 181.5mm Swivel 181.5mm Swivel W/Center Lock Brake 181.5mm
	600 kgs (1320 lbs)	QPU轮(圆弧) QPU(Round)	1163-07-80-1	1163-07-80-2	1163-07-80-4			
	650 kgs (1430 lbs)	VPU轮(圆弧) VPU (Round)	1163-07-82-1	1163-07-82-2	1163-07-82-4			
	650 kgs (1430 lbs)	铁芯VXPU轮(圆弧) XPU on Iron Core (Round)	1163-07-91-1	1163-07-91-2	1163-07-91-4			
	650 kgs (1430 lbs)	VQPU轮(圆弧) 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)	铁芯NBR橡胶轮 NBR Rubber on Cast	1163-08-04-1	1163-08-04-2	1163-08-04-4	滚珠轴承 Ball Bearing	248mm (9-3/4")	活动 191.5mm BCD刹 191.5mm Swivel 191.5mm Swivel W/Center Lock Brake 191.5mm
	350 kgs (770 lbs)	环保NBR橡胶轮 Non-marking Rubber on Cast	1163-08-11-1	1163-08-11-2	1163-08-11-4			
	350 kgs (770 lbs)	环保牵引NBR轮 Non-marking NBR Rubber on Cast	1163-08-90-1	1163-08-90-2	1163-08-90-4			
	400 kgs (880 lbs)	铝芯QQ橡胶轮 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)	铁芯聚氨酯 PU on Cast	1163-08-33-1	1163-08-33-2	1163-08-33-4	滚珠轴承 Ball Bearing	248mm (9-3/4")	活动 191.5mm BCD刹 191.5mm Swivel 191.5mm Swivel W/Center Lock Brake 191.5mm
	450 kgs (990 lbs)	尼龙轮 Nylon	1163-08-07-1	1163-08-07-2	1163-08-07-4			
	750 kgs (1650 lbs)	铁芯聚氨酯(2050A/2050B) PU on Cast (2050A/2050B)	1163-08-62-1	1163-08-62-2	1163-08-62-4			
	450 kgs (990 lbs)	WMRC轮 WMRC	1163-08-45-1	1163-08-45-2	1163-08-45-4			
	500 kgs (1100 lbs)	APU轮(圆弧) PU on AL Core (Round)	1163-08-108-1	1163-08-108-2	1163-08-108-4			
	550 kgs (1200 lbs)	APU轮(平面) PU on AL Core (Flat)	1163-08-108-1	1163-08-108-2	1163-08-108-4			
	650 kgs (1430 lbs)	铝芯AQPU轮(圆弧) QPU on AL Core (Round)	1163-08-87-1	1163-08-87-2	1163-08-87-4			
	700 kgs (1540 lbs)	铝芯AQPU轮(平面) QPU on AL Core (Flat)	1163-08-87-1	1163-08-87-2	1163-08-87-4			
	670 kgs (1475 lbs)	QPU轮(圆弧) QPU (Round)	1163-08-80-1	1163-08-80-2	1163-08-80-4			
	720 kgs (1580 lbs)	QPU轮(平面) QPU (Flat)	1163-08-80-1	1163-08-80-2	1163-08-80-4			
	670 kgs (1475 lbs)	VPU轮(圆弧) VPU (Round)	1163-08-82-1	1163-08-82-2	1163-08-82-4			
	800 kgs (1760 lbs)	VQPU轮(圆弧) VQPU (Round)	1163-08-83-1	1163-08-83-2	1163-08-83-4			
	1100 kgs (2420 lbs)	铁芯VXPU轮(圆弧) XPU on Iron Core (Round)	1163-08-91-1	1163-08-91-2	1163-08-91-4			
	650 kgs (1430 lbs)	EPU轮(圆弧) EPU (Round Shape)	1163-08-78-1	1163-08-78-2	1163-08-78-4			
	700 kgs (1540 lbs)	EPU轮(平面) EPU (Flat Shape)	1163-08-78-1	1163-08-78-2	1163-08-78-4			
	750 kgs (1650 lbs)	EQPU轮(圆弧) EQPU (Round Shape)	1163-08-81-1	1163-08-81-2	1163-08-81-4			
	800 kgs (1760 lbs)	EQPU轮(平面) EQPU (Flat Shape)	1163-08-81-1	1163-08-81-2	1163-08-81-4			
200mm x 51mm	650 kgs (1430 lbs)	ZQPU轮(双轮) ZQPU (Dual Wheels)	1163-08-101-1	1163-08-101-2	1163-08-101-4			