

HERDAR 禾達腳輪

Wheels & Castors

Specialized on PU over 30 Years

專注聚氨酯30年



Catalog

目錄特刊

www.herdar.com

AGV DRIVE WHEEL

AGV CASTER

INDUSTRIAL HEAVY DUTY WHEELS & CASTER
HANDLING EQUIPMENT

MANUFACTURING

AGV 驅動輪

AGV 從動輪

工業用重型單輪、腳輪

物流設備

專業製造



Established in
Tainan, Taiwan
在台灣台南成立

1982

The HERDAR brand
was established
禾達品牌正式建立

2001

Move to new
factory in Longmen
County, Huizhou
City
新廠在惠州龍門成立

2016

1991

Factory established
in Guangzhou, China
在廣州成立工廠

2011

Central China
branch established
in Wuhan, China
在武漢成立分公司

PROFESSIONAL PRODUCTION EQUIPMENT 專業生產設備



聚氨酯單輪 PU Wheels

1 PU on Cast Iron US Type

(H)PU
Series



Load Capacity:	100-2500kg
Diameter:	75-400mm
Material:	PU 93A (Pullprene)
Bearing:	Roller & Ball Bearing
Max speed:	4km/h or 6km/h

2 PU on Aluminum US Type

UA
Series



Load Capacity:	80-650kg
Diameter:	75-200mm
Material:	PU 93A (Pullprene)
Bearing:	Roller Bearing
Max speed:	4km/h

3 PU on Cast Iron EU Type

(H)EU
Series



Load Capacity:	100-2250kg
Diameter:	75-300mm
Material:	PU 93A (Pullprene)
Bearing:	Ball Bearing
Max speed:	4km/h or 6km/h

4 PU on Aluminum EU Type

(H)EUA
Series



Load Capacity:	80-700kg
Diameter:	75-200mm
Material:	PU 93A (Pullprene)
Bearing:	Ball Bearing
Max speed:	4km/h or 6km/h

5 PU on Cast Iron KR Type

PU/ME
Series



Load Capacity:	100-3000kg
Diameter:	76-300mm
Material:	PU 93A (Pullprene)
Bearing:	Ball Bearing
Max speed:	4km/h

6 PU on Cast Iron KR Type Crown Tread

(H)KU
Series



Load Capacity:	300-600kg
Diameter:	100-200mm
Material:	PU 93A (Pullprene)
Bearing:	Ball Bearing
Max speed:	4km/h or 6km/h

7 PU on PP Core

CUP
Series



Load Capacity:	200-450kg
Diameter:	100-200mm
Material:	PU 93A (Pullprene)
Bearing:	Ball Bearing
Max speed:	4km/h

8 PU on PP Core

CUPB
Series



Load Capacity:	80-200 Kg
Diameter:	75-125mm
Material:	PU 93A (Pullprene)
Bearing:	Ball Bearing
Max speed:	4km/h

9 Elastic PU on Cast Iron

EKU
Series



Load Capacity:	300-600kg
Diameter:	100-200mm
Material:	PU 80A (Elasticprene)
Bearing:	Ball Bearing
Max speed:	4km/h

10 Elastic PU on Aluminum

EMA
Series



Load Capacity:	150-500kg
Diameter:	100-250mm
Material:	PU 80A (Elasticprene)
Bearing:	Ball Bearing
Max speed:	4km/h

11 Elastic PU on Nylon US Type

EMN
Series



Load Capacity:	200-400 Kg
Diameter:	100-200mm
Material:	PU 80A (Elasticprene)
Bearing:	S/S Roller Bearing
Max speed:	4km/h or 6km/h

12 Elastic PU on Nylon US Type

EPB
Series



Load Capacity:	80-150kg
Diameter:	75-125mm
Material:	PU 80A (Elasticprene)
Bearing:	Ball Bearing
Max speed:	4km/h

13 Low Effort Ergonomic PU on Aluminum US Type

HUA
Series



Load Capacity:	300-600kg
Diameter:	100-200mm
Material:	PU 93A (Trackprene)
Bearing:	Ball Bearing
Max speed:	6km/h

14 Heavy Duty PU on Cast Iron for Bleaching and Dyeing

PRH
Series



Load Capacity:	550-1500kg
Diameter:	150-250mm
Material:	PU 60D (Hardprene)
Bearing:	Ball Bearing
Max speed:	4km/h

15 Solid Polyurethane

SP/SSP
Series



Load Capacity:	140-700kg
Diameter:	100-300mm
Material:	PU 55-62D (Hardprene)
Bearing:	Roller & Ball Bearing
Max speed:	4km/h

16 PU on Cast Iron or Steel Hub for Lift Truck & Spare Part

PT/UR
Series



Load Capacity:	450-600kg, 120-700kg
Diameter:	160-200mm, 50-85mm
Material:	PU 93A (Trackprene)
Bearing:	Ball Bearing
Max speed:	4km/h or 6km/h

工業腳輪、物流器材 Casters & Handling Equipment

1 **NEW** C513 HD PU on Aluminum Caster



Load Capacity: 250-600kg
 Wheel Diameter: 100-200mm
 Material: **PU 93A (Pullprene)**
 Bearing: Ball Bearing
 Max speed: 4km/h

2 **NEW** C513 HD PU on Alu. Caster (Round Tread)



Load Capacity: 250-600kg
 Wheel Diameter: 100-200mm
 Material: **PU 93A (Pullprene)**
 Bearing: Ball Bearing
 Max speed: 4km/h or 6km/h

3 **NEW** C513 HD Elastic PU on Alu. Caster



Load Capacity: 200-450kg
 Wheel Diameter: 100-200mm
 Material: **PU 80A (Elasticprene)**
 Bearing: Ball Bearing
 Max speed: 4km/h

4 **NEW** C325 HD PU on Alu. Caster (Light)



Load Capacity: 80-180kg
 Wheel Diameter: 75-125mm
 Material: **PU 93A (Pullprene)**
 Bearing: Ball Bearing
 Max speed: 4km/h

5 C670 Extra Heavy Duty Caster



Load Capacity: 3000-10000kg
 Wheel Diameter: 150-300mm
 Material: **PU 93A (Trackprene)**
 Bearing: Ball Bearing
 Max speed: 4km/h or 6km/h

6 C810 C910 Drop Forged Heavy Duty



Load Capacity: 1000-1800kg
 Wheel Diameter: 150-300mm
 Material: **PU 93A (Trackprene)**
 Bearing: Ball Bearing
 Max speed: 4km/h or 6km/h

7 C650 C610 Heavy Duty with Precision Bearing



Load Capacity: 350-1000kg
 Wheel Diameter: 100-200mm
 Material: **PU 93A (Trackprene)**
 Bearing: Ball Bearing or Roller Bearing
 Max speed: 4km/h or 6km/h

8 C530 C535 Heavy Duty Caster



Load Capacity: 300-1000kg
 Wheel Diameter: 100-200mm
 Material: **PU 93A (Pullprene)**
 Bearing: Ball Bearing or Roller Bearing
 Max speed: 4km/h

9 C7 Series Spring Casters



Load Capacity: 250-450kg
 Wheel Diameter: 100-200mm
 Material: **PU 93A (Trackprene)**
 Bearing: Ball Bearing
 Max speed: 4km/h or 6km/h

10 C520 Kingpinless Caster



Load Capacity: 250-600kg
 Wheel Diameter: 100-200mm
 Material: **PU 93A (Pullprene)**
 Bearing: Ball Bearing or Roller Bearing
 Max speed: 4km/h or 6km/h

11 C512 Medium Duty Caster



Load Capacity: 200-600kg
 Wheel Diameter: 100-200mm
 Material: **PU 93A (Pullprene)**
 Bearing: Ball Bearing or Roller Bearing
 Max speed: 4km/h

12 C325 Light Duty Caster



Load Capacity: 80-150kg
 Wheel Diameter: 75-125mm
 Material: **PU 93A (Pullprene)**
 Bearing: Ball Bearing or Roller Bearing
 Max speed: 4km/h

13 C365 SP Stainless Steel Series



Load Capacity: 80-170kg
 Wheel Diameter: 75-125mm
 Material: **PU 60D (Hardprene)**
 Bearing: Plain Bore
 Max speed: 6km/h

14 C328 EPB High Elasticity Caster



Load Capacity: 80-200kg
 Wheel Diameter: 75-125mm
 Material: **PU 80A (Elasticprene)**
 Bearing: Ball Bearing
 Max speed: 4km/h

15 Special Caster, Floor Lock



A C331 Airport Cargo Caster
B CLM Leveling Adjust Caster
C C550 Scaffolding Caster
D Floor Lock (Japanese Type)

16 Trolley & Dolly



A Whisper Quiet Hand Trolley
B Square Pipe Foldable Hand Trolley
C Plastic Dolly
D Aluminum Dolly

AGV 驅動輪 Drive Wheels

AGV ✓ Elastic PU material ✓ Whisper running, abrasion resistant, non-marking
 ✓ Floor protection ✓ Anti-static ✓ Non-skip ✓ RoHS ✓ REACH

驅動輪 Drive Wheel (法蘭安裝 Hub Fitting)



# 圖號	Part No. 產品編號	Tread Material 材質 / 硬度	Grain 胎面紋路	Core Material 輪芯材質 / 顏色	Wheel Dia. 直徑 (mm)	Tread Width 輪寬 (mm)	No. of Fixing Holes 安裝孔數 / 孔徑 (mm)	Central Hole 中心孔	PCD	Max Load Capacity 最大承重 (kg)
1	2WDWUA1340/F4252/4/73a/esd	Polyurethane 73 Shore A	Rough 咬花	Al/Original 鋁/本色	130	40	6 x M4	42	52	160
2	2WDWPU1340/F3545/5/73a/esd	Polyurethane 73 Shore A	Rough 咬花	Cast Iron/Black 鑄鐵 / 黑漆	130	40	6 x M5	35	45	200
3	2WDWPU1540/F5070/6.5/73a/esd	Polyurethane 73 Shore A	Herringbone 人字	Cast Iron/Black 鑄鐵 / 黑漆	150	40	6 x 6.5	50	70	250
4	2WDWPU1540/F5070/6.5/73a/f/esd	Polyurethane 73 Shore A	Rough 咬花	Cast Iron/Black 鑄鐵 / 黑漆	150	40	6 x 6.5	50	70	250
5	2WHEU1540X/B4+3/tb	Polyurethane 80 Shore A	Herringbone 人字	Cast Iron/Black 鑄鐵 / 黑漆	150	40	6 x 6.5	50	70	250
6	2WDWPU1540/F5070/6.5/93a	Polyurethane 93 Shore A	Flat 平面	Cast Iron/Black 鑄鐵 / 黑漆	150	40	6 x 6.5	50	70	280
7	2WPUL2040YDW50/qb	Polyurethane 73 Shore A	Rough 咬花	Cast Iron/Black 鑄鐵 / 黑漆	200	40	6 x 6.5	50	70	280

驅動輪 Drive Wheel (鍵槽安裝 Key Way)



# 圖號	Part No. 產品編號	Tread Material 材質 / 硬度	Grain 胎面紋路	Core Material 輪芯材質 / 顏色	Wheel Dia. 直徑 (mm)	Tread Width 輪寬 (mm)	Axle Bore 鍵孔 Φ (mm)	Hub Groove Length 鍵寬 (mm)	Hub Groove Height 鍵長 (mm)	Max Load Capacity 最大承重 (kg)
1	2WDWPU1340/K20521/73a/esd	Polyurethane 73 Shore A	Rough 咬花	Cast Iron/Black 鑄鐵 / 黑漆	130	51	20	6	23	250
2	2WDWPU2040/K16518.3/73a/esd	Polyurethane 73 Shore A	Rough 咬花	Cast Iron/Black 鑄鐵 / 黑漆	200	45	16	5	18.3	300
3	2WPUL1250X/P5/93a	Polyurethane 93 Shore A	Herringbone+Rough 人字紋加咬花	Cast Iron/Silver 鑄鐵/銀漆	125	50	25	8	28.3	300
4	2WPUL1550X/P5/93a	Polyurethane 93 Shore A	Herringbone+Rough 人字紋加咬花	Cast Iron/Silver 鑄鐵/銀漆	150	50	25	8	28.3	400
5	2WPUL2050X/P5/93a	Polyurethane 93 Shore A	Herringbone+Rough 人字紋加咬花	Cast Iron/Silver 鑄鐵/銀漆	200	50	25	8	28.3	500



AGV 從動輪 Blance Wheels

AGV ✓ Elastic PU material ✓ Whisper running, abrasion resistant, non-marking
 ✓ Low profile ✓ Twin wheels design, free rotation ✓ RoHS ✓ REACH

Medium duty Balance Wheel 中荷重從動輪



# 圖號	Part No. 產品編號	Tread Material 胎面材質 / 硬度	Core Material 輪芯材質	Wheel Dia. 直徑 (mm)	Wheel Width 輪寬 (mm)	Total Height 總高 (mm)	Radius 偏心距 (mm)	Top Plate 底板尺寸 (mm)	Bolt Hole Centers 底板孔距 (mm)	Attching Bolt Size 底板孔徑 (mm)	Loading 最大承重 (kg)
1	C220-1S/HUA5714	Polyurethane 93 Shore A	Al. 鋁	57	14x2	80	22	67x49	52x35	8.4	100
2	C331S/HUA5020C/r	Polyurethane 93 Shore A	Al. 鋁	50	20x2	81.5	20	111x80	87/77.4x60	8.7	150
3	C331S/HUA5520C/P1	Polyurethane 93 Shore A	Al. 鋁	55	20x2	79	20	84*84	64/58.5x64/58.5	8.5	200
4	C331S/HUA6524C/r	Polyurethane 93 Shore A	Al. 鋁	65	24x2	87	20	111x80	87/77.4x60	8.7	200
5	C410S/HEUA3100C/v	Polyurethane 73 Shore A	Al. 鋁	76	24x2	107	20	103.5x82	81.5x60	8.7	150



# 圖號	Part No. 產品編號	Tread Material 胎面材質 / 硬度	Core Material 輪芯材質	Wheel Dia. 直徑 (mm)	Wheel Width 輪寬 (mm)	Total Height 總高 (mm)	Radius 偏心距 (mm)	Top Plate 底板尺寸 (mm)	Bolt Hole Centers 底板孔距 (mm)	Attching Bolt Size 底板孔徑 (mm)	Loading 最大承重 (kg)
6	C410S/HEUA3100C/r	Polyurethane 93 Shore A	Al. 鋁	76	24x2	107	20	103.5x82	81.5x60	8.7	200
7	C412S/HEUA3140C/r	Polyurethane 93 Shore A	Al. 鋁	76	30x2	106.6	21.65	116x100	92.08/76.2 x 76.2/66.68	11	350
8	C415S/HPU8035C/twin	Polyurethane 93 Shore A	#45 Iron 鋼	80	35x2	110	21	116x100	78x78	8.5	500
9	C415S/HEUA3100C/r	Polyurethane 93 Shore A	Al. 鋁	76	24x2	107	20	110x85	86x60	9	200
10	C415S/HEUA3100C/v	Polyurethane 73 Shore A	Al. 鋁	76	24x2	107	20	110x85	86x60	9	150

Heavy Duty & Spring Balance Wheel 重荷重、減震從動輪



# 圖號	Part No. 產品編號	Tread Material 胎面材質 / 硬度	Core Material 輪芯材質	Wheel Dia. 直徑 (mm)	Wheel Width 輪寬 (mm)	Total Height 總高 (mm)	Radius 偏心距 (mm)	Top Plate 底板尺寸 (mm)	Bolt Hole Centers 底板孔距 (mm)	Attching Bolt Size 底板孔徑 (mm)	Loading 最大承重 (kg)
1	C910S-PRH1541ya-twin	Polyurethane 55 Shore D	Cast Iron 鑄鐵	150	40x2	204	60	185*134	154.5/131.5x104.5/85	14	1000
2	C910S-PRH2041ya-twin	Polyurethane 55 Shore D	Cast Iron 鑄鐵	200	40x2	269	60	185*134	154.5/131.5x104.5/85	14	1500

# 圖號	Part No. 產品編號	Tread Material 胎面材質 / 硬度	Core Material 輪芯材質	Wheel Dia. 直徑 (mm)	Wheel Width 輪寬 (mm)	Total Height 總高 (mm)	Radius 偏心距 (mm)	Begins to Compress 初始減震 (KG)	Max Compress 最高減震 (KG)	總高變形量 (mm)	Loading 最大承重 (kg)	Top Plate 底板尺寸 (mm)	Bolt Hole Centers 底板孔距 (mm)	Attching Bolt Size 孔徑 (mm)
3	C415S-1.5-HEUA3100C/r	Polyurethane 93 Shore A	Aluminum 鋁	76	24.13x2	116-106.9	65	50	160	10	220	110x85	86x60	9

Product Inspection Test Procedure

產品檢驗實驗程序

1. PU material test



Tensile and tear test for PU material
對PU材料進行拉伸及撕裂測試

2. Endurance rolling test for heavy duty wheel Max. 16T Load capacity Max. 20km/hr speed



Endurance rolling test is to ensure and check if the strength of wheel meets the standard load capacity
對重型輪進行行走疲勞測試,確保輪面強度是否符合標準

3. Endurance rolling test for AGV balance caster



Endurance rolling test is to ensure and check if the strength of wheel meets the standard load capacity
從動輪進行來回轉動行走測試,確保平滑順暢的靈活性

4. Initial force test



The initial force test for drive wheels is to measure the starting force for the deadweight and load
對驅動輪進行啟動力測試,測量自重及負載時所需要的啟動能量

5. Static load test



The static load test is to measure the deformation and the safety load capacity range of the wheel
對驅動輪及從動輪進行靜壓力測試,測量輪子本身的變形量以及安全負載範圍

6. Electrical resistance test



The electrical resistance test is to check PU Anti-Static Standard for Drive wheel.
對防靜電系列的驅動輪、從動輪進行測量,確認膠面的電阻值是否合乎標準

Innovative Polyurethane Wheel Tread Series

HERDARPRENE®

Specialized on **PU** over 30 Years

專注聚氨酯30年



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Wheels & Casters

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