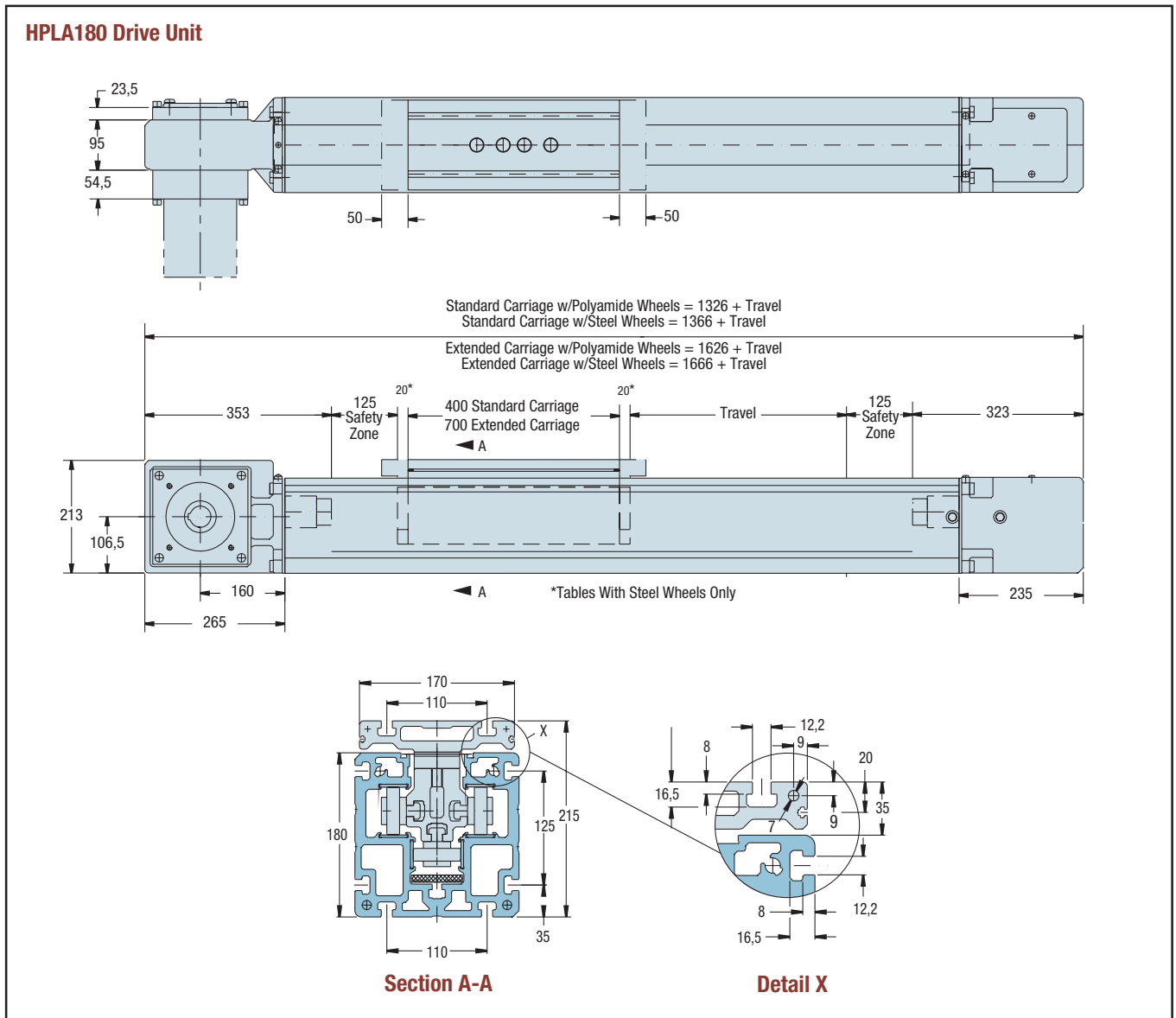


HPLA180 Dimensions (mm)



High Speed Automation

HPLA120 & 180 Idler Unit Specifications

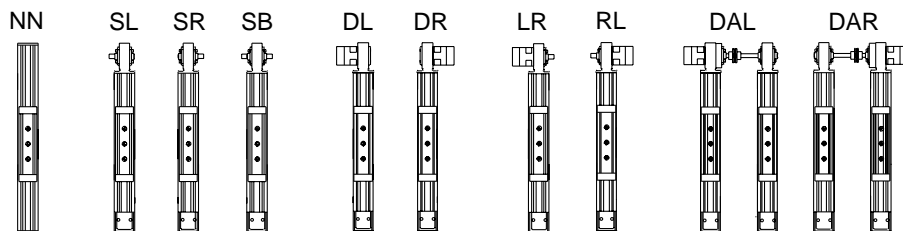
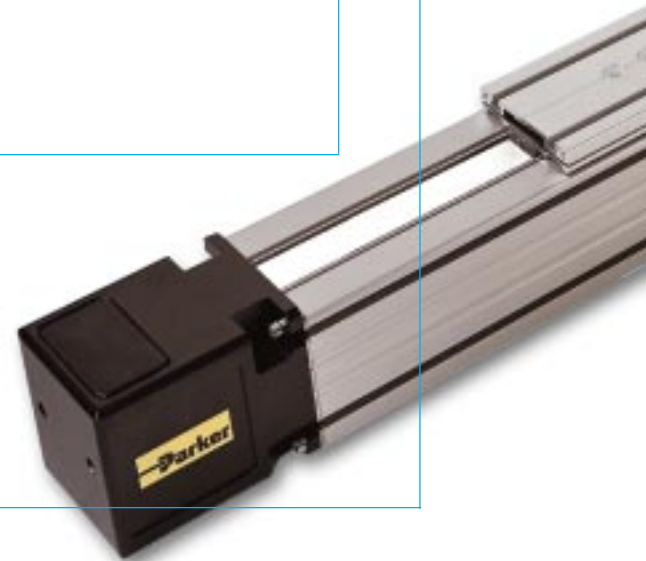
Type	With Steel Strip Cover			
	A	B	C	D
LAB120SP	55	not applicable	300	35
LAB120SH	55	20	300	35
LAB120EP	55	not applicable	450	35
LAB120EH	55	20	450	35
LAB180SP	88	not applicable	400	50
LAB180SH	88	20	400	50
LAB180EP	88	not applicable	700	50
LAB180EH	88	20	700	50

## HPLA Series How to Order

### Order Example

LA B 120 E P nnnn DL V

- Model Series** ..... LA
- Drive System**
  - Timing Belt Drive ..... B
  - Idler Unit ..... N
  - Double Unit ..... D
- Type**
  - 120 (Dim. Drawing on B52) ..... 120
  - 180 (Dim. Drawing on page B53) ..... 180
- Carriage**
  - Standard Carriage with Load Attachment Plate... S
  - Extended Carriage with Load Attachment Plate .. E
- Guide System**
  - Roller Bearing, Polyamide Wheels ..... P
  - Steel Wheels ..... H
- Stroke**
  - Specify Desired Stroke (in mm) ..... nnnn
- Drive Options**
  - Idler Unit (Dim. Drawing page B52) ..... NN
  - Shaft on Left (Consult Factory) ..... SL
  - Shaft on Right (Consult Factory) ..... SR
  - Shaft on Both Sides (Consult Factory) ..... SB
  - Without Drive - Prepared for Left Side Drive ..... NL
  - Without Drive - Prepared for Right Side Drive ..... NR
  - Gearbox on Left ..... DL
  - Gearbox on Right ..... DR
  - Gearbox on Left and Shaft on Right (Consult Factory) LR
  - Gearbox on Right and Shaft on Left (Consult Factory) RL
  - Double Axis, Reducer Left ..... DAL
  - Double Axis, Reducer Right ..... DAR
- Gearbox Flange**
  - Without drive - Idler unit ..... N
  - Flange suitable for Zenith planetary gears PRN/UTN 92 U (HPLA 120 Only)
  - Flange suitable for Zenith planetary gears PRN/UTN 115 V (HPLA 120 and 180)
  - Flange suitable for Zenith planetary gears PRN/UTN 142 W (HPLA 180 Only)



GZSC05 F03 0000 C N N H2 M26 LH3

**Limit/Home Switch Option**

- LH0** No limit switch assembly
- LH1** Three mechanical switches, 1 NO and 1 NC contact
- LH2** Two mechanical switches, One prox
- LH3** Three NPN prox switches, 5-30 VDC
- LH4** Three PNP prox switches, 5-30 VDC

**Motor Option\***

- M00** No Motor
- M01** Customer Supplied
- M26** HDY92E4-44S
- M28** HDY115A6-88S
- M29** HDY115C6-88S
- M32** HDY142C6-88S
- M43** J0921GR-NMSN
- M44** J0922JR-NMSN
- M45** J0923KR-NMSN
- M46** J0921GE-NMSN
- M47** J0922JE-NMSN
- M48** J0923KE-NMSN

\*Zeta stepper motors equipped with 3 meter cable.  
Servo motor cables not included (ordered separately).

**Mounting Orientation**

- H1** Carriage up
- H2** Carriage down
- H3** Carriage on side, drive station up
- H4** Carriage on side, drive station down

**Linear Encoder**

- N** Without linear encoder (Standard)
- L** With linear encoder (Consult Factory)

**Material Option**

- N** Standard version
- V** Corrosion-resistant version (Consult Factory)

**Steel Strip Cover**

- N** Without steel strip cover
- C** With steel strip cover (Protection Class IP30)

**Center Distance with Dual Axes (From Center to Center)**

- nnnn** Specify desired center distance (in mm)
- 0000** Specify for single axis or idler unit

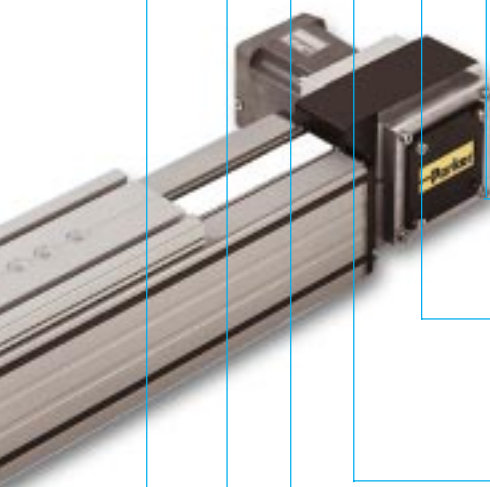
**Motor Flange Options**

- F00** No Flange
- F01** Motor Flange to Mount HDY92/NO92 (GZSF,GZSG, GZSJ,92 mm and 115 mm Gearboxes Only)
- F02** Motor Flange to Mount HDY115 (GZSF,GZSG, GZSJ,115 mm Gearboxes Only)
- F03** Motor Flange to Mount HDY142 (GZSH,GZSI,142 mm Gearboxes Only)

**Gearbox Option\***

- GAA00** No Reducer
- GABnn** Customer Supplied Reducer
- GZSCnn** PRN-092, Universal Flange (120 Only)
- GZSDnn** WPL90, Universal Flange (120 Only)
- GZSEnn** UTN-092, Universal Flange (120 Only)
- GZSFnn** PRN-115, Daedal Option-Universal Flange (120 & 180)
- GZSGnn** WPL-115, Universal Flange (120 & 180)
- GZSJnn** UTN-115, Daedal Option-Universal Flange (120 & 180)
- GZSHnn** PRN-142, Universal Flange (180 Only)
- GZSI00** UTN-142, Universal Flange (180 Only)

\*In-line single stage ratios: 3:1, 5:1, 8:1, 10:1  
In-line dual stage ratios: 15:1, 25:1  
Right angle ratios: 5:1, 8:1, 10:1  
Right angle gear reducers mounted parallel to actuator.



High Speed Automation