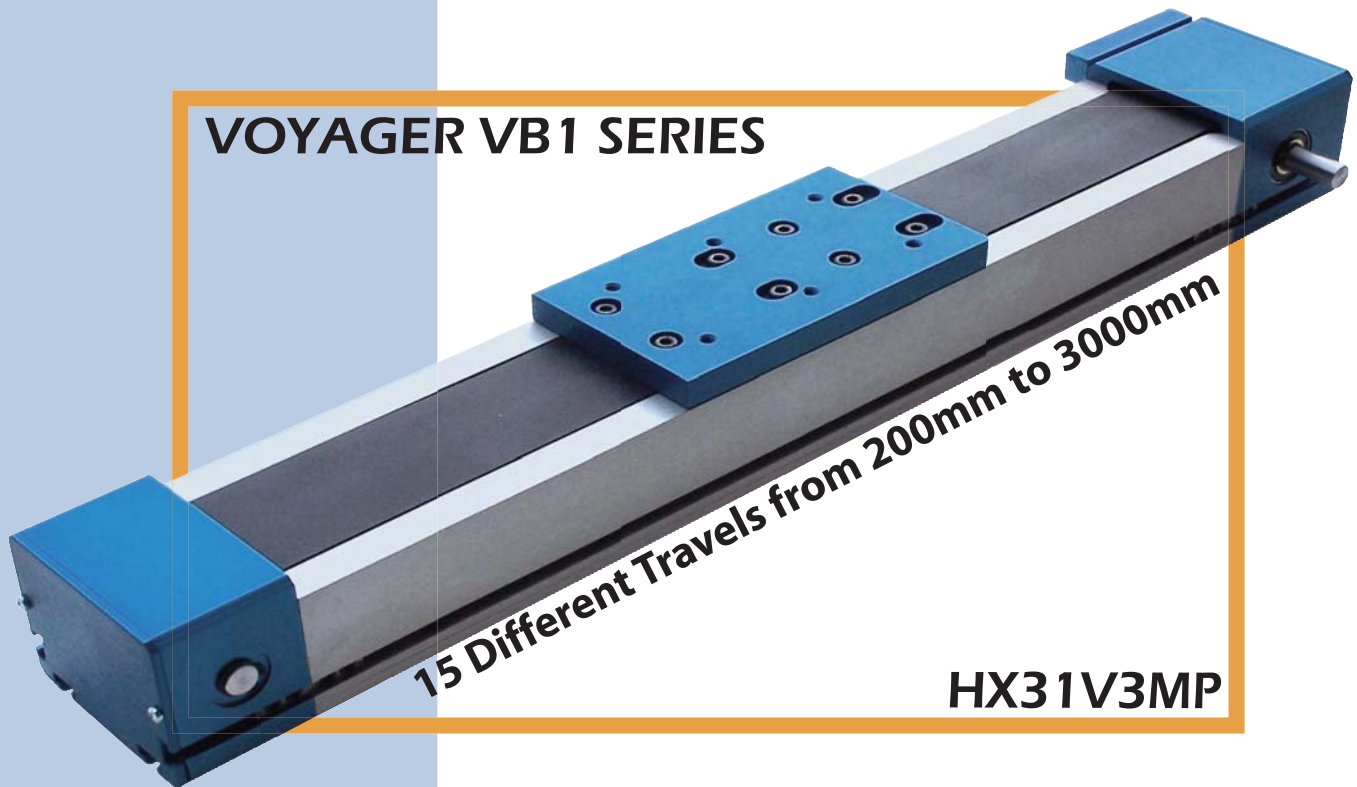


*New!*

# BELT-DRIVE SLIDE

HIGH-LOAD CAPACITY...

ALL STEEL PROFILE RAIL



- ▶ Stock lengths up to 3 meters
- ▶ NEMA23 or 34, Stepper or Servomotor
- ▶ Custom lengths up to 6 meters
- ▶ 50mm wide steel-reinforced HTD belt
- ▶ T-Slots on three sides
- Quick delivery
- Mounts to almost any motor
- Extra long travels available
- Heavy loads and high acceleration
- Easy mounting to most surfaces



**All Air Inc.**  
175 Clearbrook Rd.  
Elmsford, NY 10523



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**Downloadable CAD and 3D Drawings Available Online!**

**HX31V3MP**

External Prox. Switch  
 X No switch  
 R Switch on right side  
 L Switch on left side

Motor Mounting  
 0 Right-hand side  
 1 Left-hand side

Motor Drive  
 X No motor V Servomotor(200W)  
 S Stepper motor L Servomotor(100W)

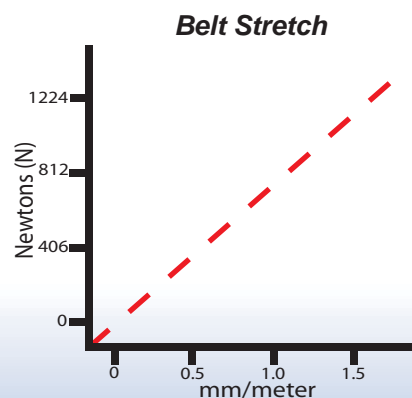
Carriages  
 Number 1 or 2

Code	Travel (mm)	Length (mm)	
		1 Carriage	2 Carriage
020	200	505	605
030	300	605	705
040	400	705	805
050	500	805	905
060	600	905	1005
060	700	1005	1105
070	800	1105	1205
090	900	1205	1305
100	1000	1305	1405
125	1250	1555	1655
150	1500	1805	1905
175	1750	2055	2155
200	2000	2305	2405
250	2500	2805	2905
300	3000	3305	3405

**Optional pneumatic fitting for internal pressurization within dirty environments!**

**VOYAGER SERIES TECHNICAL DATA:**

- ▶ Stainless steel option
- ▶ Specific mass of belt: 0.205 kg/meter
- ▶ Max belt strength @ 3000rpm: 1300N
- ▶ Belt material: polyurethane, steel reinforced
- ▶ Overall belt thickness: 3.6mm
- ▶ Tooth height: 2.1mm
- ▶ Accuracy: 0.2mm / 300mm
- ▶ Repeatability: 0.1mm
- ▶ Breakaway torque: < .33Nm (2.9 in-lbs.)
- ▶ Single carriage Mass: 0.75 kg
- ▶ Mass of dual carriage: 1.40 kg
- ▶ Weight without motor module: 7.59 kg/meter
- ▶ Pitch diameter of pulley: 44.6 mm
- ▶ Pulley mass moment of inertia: 0.0001393 kg x meter sq (1.39 x 10<sup>-4</sup> kg m<sup>2</sup>)
- ▶ Effective pulley circumference: 140mm
- ▶ Max dynamic load per carriage: 22.3 KN
- ▶ Rail/carriage coefficient of friction: 0.003
- ▶ Belt type: 5mm HTD, 50mm wide
- ▶ Maximum Moment



	Single Carriage	Dual Carriage
M <sub>X</sub>	361 NM	722 NM
M <sub>Y</sub>	334 NM	1750 NM
M <sub>Z</sub>	334 NM	1750 NM

**For More Information Contact Us At:**

Tel: (800) 4-ALLAIR · Web: [www.allair.com](http://www.allair.com) · E-mail: [sales@allair.com](mailto:sales@allair.com)

**H880-HTO03930802**