

Integral V

BOLT-ON SERIES - DOUBLE WIDTH

NEW

The Integral V™ system was developed to reduce costs, increase application flexibility and ease of installation. The rail consists of durable anodized aluminum framing and carbon steel angled raceways. Integral V components consist of various guide rails, snap-in clamps and carriages; each lending itself to high load capacity, rigidity and torque resistance. The **Bolt-On Series Double Width** gives dramatic system accuracy with Low-Profile attachment options.

- **Flexible, lightweight aluminum profile in three (3) single rail configurations**
- **Low friction and breakaway force**
- **End-joinable for long runs**
- **Optional carriage preload adjustments** – fixed preload, side adjustable and hex head adjustable
- **Two carriage styles** – flat plate with or without t-slots



IVTAAQ



IVTAAD



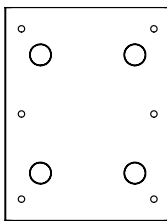
IVTAAE



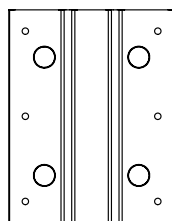
IVTAAF

CARRIAGE STYLES

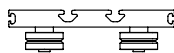
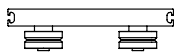
FLAT PLATE



FLAT PLATE W/T-SLOTS

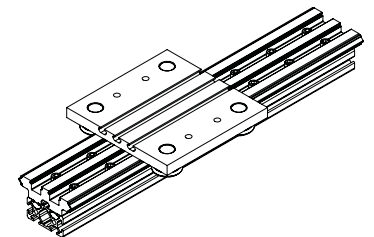
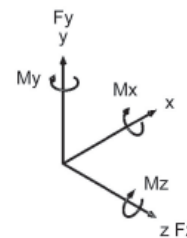


Custom carriages available upon request.

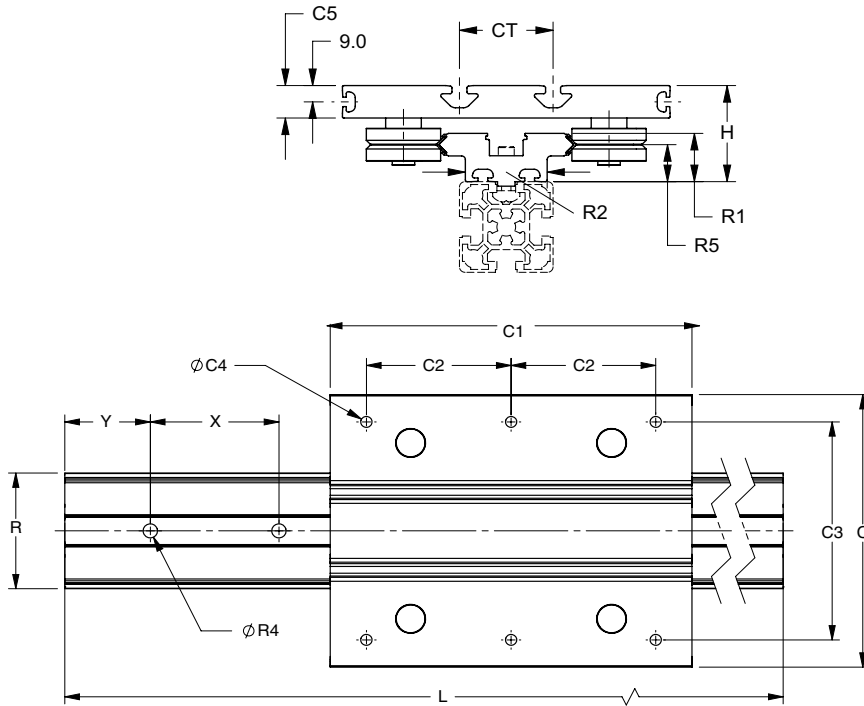


Part #	CARRIAGE LOAD RATING									
	Radial		Axial		Moment					
	Fz	Fz	Fy	Fy	Roll Mx		Pitch Mz		Yaw My	
	(N)	(lbf)	(N)	(lbf)	(N-m)	(lbf-ft)	(N-m)	(lbf-ft)	(N-m)	(lbf-ft)
IVTAAD	5,560	1,250	5,560	1,250	199	147	348	256	348	256
IVTAAE	5,560	1,250	5,560	1,250	255	188	467	359	467	359
IVTAAF	5,560	1,250	5,560	1,250	338	249	556	410	556	410
IVTAAQ	5,560	1,250	5,560	1,250	127	94	125	92	278	205

Load data shown in table is based on 100 kilometer travel.



DIMENSIONAL DATA

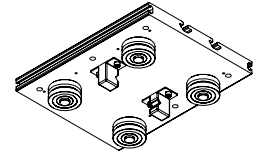


Part #	H	R	R1	R2	R3	R4 Bolt size	R5	X	Y	C	C1	C2	C3	CT	C4 TAP	C5	L Max
IVTAAD	48	75	21.6	46.4	25.4	M6 SHCS	15.4	80	40	175	225	90	140	50	M8 X 1.0	17.9	4000
IVTAAE	53	95	26.6	72.6	40	M8 SHCS	20.4	80	40	225	275	110	180	50	M8 X 1.0	17.9	4000
IVTAAF	53	125	26.6	99.5	80	M8 SHCS	20.4	80	40	250	300	125	200	50	M8 X 1.0	17.9	4000
IVTAAQ	45	105	17.6	74.6	40	M8 SHCS	12	80	40	225	275	90	140	50	M8 X 1.0	17.9	4000

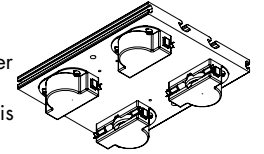
All dimensions in millimeters.

LUBRICATION OPTIONS

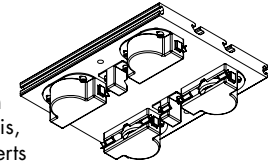
Lube Holder -
Micropoly® insert lubricated raceway



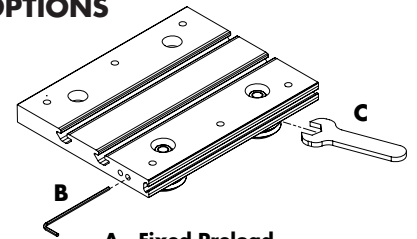
Wheel Cover -
Semi-enclosed cover protects from contaminated debris



Wheel Cover & Lube Holder -
Semi-enclosed cover protects from contaminated debris, plus Micropoly inserts

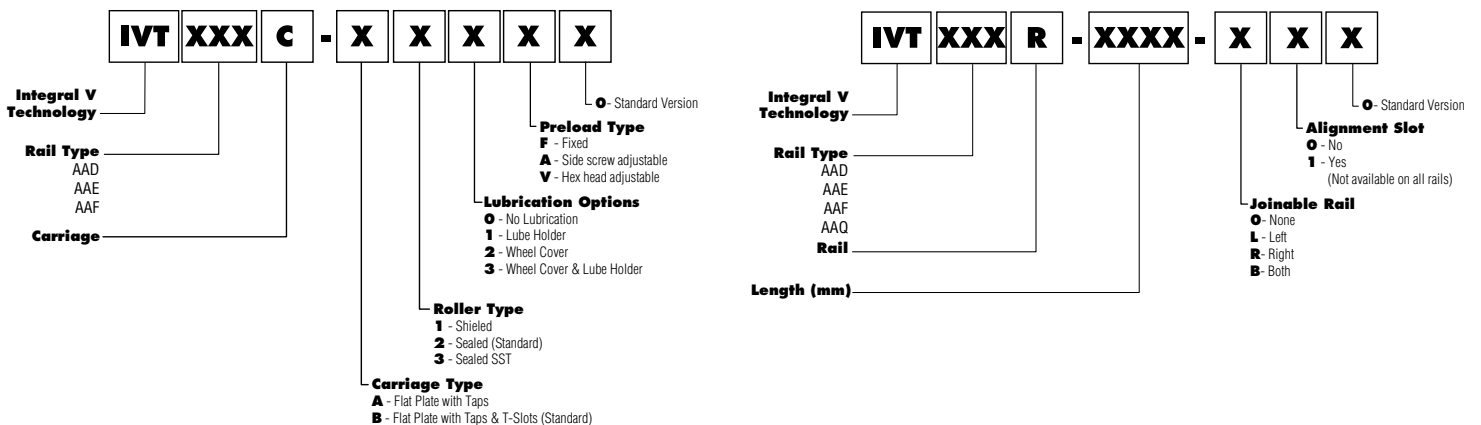


PRELOAD OPTIONS



- A - Fixed Preload**
- B - Side Screw Adjustable Preload** (Standard)
- C - Hex Head Adjustable Preload**

ORDERING INFORMATION



Product information and 2D/3D CAD drawings available for download at www.pbclinear.com
For technical & application information call **1-888-777-1466**

The data and specifications in this publication have been carefully compiled and are believed to be accurate and correct. However, it is the responsibility of the user to determine and ensure the suitability of PBC Linear™ products for a specific application. PBC Linear™ only obligation will be to repair or replace without charge, any defective components if returned promptly. No liability is assumed beyond such replacement. Specifications are subject to change without notice. 6/27/08