



CHAPTER 2 Rails, Carriages & Bearings





Quick Selection Guide

How much load capacity do I need?

How far do I need to travel?

See our Quick Selection Guides at the beginning of each section to find the right system for you...

2 Rails, Carriages
And Bearings



Linear Bearing System



Page 35

- **Lightweight**
- **Economical**
- **Moderate Accuracy**
- **Low to Moderate Loads & Moments**
- **High Speeds**



V-guide & Roller System



Page 54

- **High Accuracy**
- **Low to Moderate Loads & Moments**
- **High Speeds**



Linear Bearing System



Page 61

- **High Accuracy**
- **High Loads & Moments**
- **Moderate Speeds**



Techno-Isel Rail Selection Guide

PHOTOGRAPH	DESCRIPTION	PAGE
	<p>Series 1 Rails and Compatible Carriages</p> <p>An economical rail in lengths to 3 meters. It can be used in test stands, dispensing equipment and transfer machines.</p> 	<p>36</p>
	<p>Series 2 Rails and Compatible Carriages</p> <p>Our most economical rail. It can be staggered to make an unlimited length system. Perfect for lightweight automation applications.</p> 	<p>41</p>
	<p>Series 200 Rails and Compatible Carriages</p> <p>A fully supported rail. Ideal for inspection, dispensing, testing and screw fastening machines.</p> 	<p>44</p>
	<p>Individual Rollers</p> <p>Ideal for OEM applications. Concentric and eccentric bearings available.</p>	<p>47</p>
	<p>Series 300 Rails and Compatible Carriages</p> <p>A wide rail that is good for cantilevered loads. Excellent torsional stability.</p> 	<p>48</p>
	<p>Series 400 Rails and Compatible Carriages</p> <p>This rail's protective aluminum housing makes for an extremely rigid system as well as providing integral protection.</p> 	<p>50</p>
	<p>Series 500 Bearings and Carriages</p> <p>Two independent rails or it can be combined for one system. Extremely rigid as well as providing integral protection.</p> 	<p>52</p>

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